Yahoo Group Archive: TS-520_820_530_830 (2001 — 2004)

Yahoo Group summary: KENWOOD TS-520_820_530_830

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2001-01-01 through 2004-12-31

Source WARC: ts-520_820_530_830.d0kBnMS.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-04-17T04-04-28Z-8e1d1d

Messages included in this PDF: 3135

Message records with no body available in the source archive: 3

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-01 13:50:24 UTC
From: coorsbill
Topic: 1 Message: 1

WELCOME to TheFred and KU4A!

Why not hit the "reply" button (hey with the new format, YAHOO switched them around so be careful you don't delete me, har...) and tell us about yourselves and your stations guys.

73!

Bill K0ZL

2. Re: [TS-520_820_530_830] Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-01 16:16:54 UTC
From: Fred Stevens K2FRD
Topic: 1 Message: 2

I'm Fred K2FRD, first licensed in 1961. I'm a Kenwood fan and joined this list because my TS-520 has proven to be a hard-working durable rig. It's only shortcoming is that it doesn't cover the WARC bands, so I use it for backup to my TS-50. I do a LOT of portable operations including all of summer 2001 on a personal DXpedition to VO2 Labrador. However, I've used my 520 on several JOTAs (Scout Jamboree On The Air) working off either a generator or my car battery (the 6146s will drain a battery in less than two hours).

QTH is Guilford, Chenango County, upstate New York, where the closest landmark is Cooperstown (Baseball Hall of Fame), about 40 radio miles ENE.

I use Eudora Pro 5.1 on my Mac 7300/G3/400, so I don't have Yahoo's email window; since Eudora isn't a web-based emailer, when I delete, I can still recover messages.

I've done a complete rearrange of my living room shack and plan to fire up the 520 soon, just to keep the contacts from corroding and keep my mind refreshed on loading tube rigs.

More details on my little adventures are in the links below.

Looking forward to hearing good things on this list.

73 de Fred
K2FRD

At 13:50 +0000 01/08/2002, coorsbill wrote:
>WELCOME to TheFred and KU4A!
>
>Why not hit the "reply" button (hey with the new format, YAHOO
>switched them around so be careful you don't delete me, har...) and
>tell us about yourselves and your stations guys.

--
73 de Fred Stevens K2FRD
Chenango Co. (NY) Assistant Emergency Coordinator
Foothills District, Otschodela Council BSA Committees
Otschodela Council Amateur Radio Group http://www.ascent.net/thefred/ocarg.htm
K2FRD Personal Adventure page: http://www.ascent.net/thefred/K2FRD.htm
Fred's newest toy: http://www.ascent.net/thefred/M1911A1.htm .
Subscribe to the OCARG EAGLE monthly Scouting/Ham Radio newsletter
(no cost, no spam):
Send email to: mailto:thefred@... .
For a narrative of my VO2/K2FRD Labrador DXpediton:
http://www.wpe.com/~oarc/news/page5.html .

3. Re: [TS-520_820_530_830] Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-01 16:26:58 UTC
From: Mike
Topic: 1 Message: 3

Hello all, I am Mike (KU4ZD) and my first contact as (KA0JAW) was on July 22, 1980 at 16:45 with KA8HUN, Don in Ohio. I have been active in many midwest states and Florida over the years.

I am active in most of the modes including ATV, SSTV, Satellite, HF, UHF, VHF, APRS, Digital and many more. Also I am a very active SWL and scanning buff. I support ARES, RACES, Skywarn, MARS and am a member of two local ham clubs, a area scanner club and the ARRL.

I am a Kenwood fan, still running two 520's (one SE and one S) with TV-502 and TV-506 Transverters, Matching speakers, DG-5 Digital displays, MC-50 mics and VFO.

I have set up a page where you can see pictures of and get a list of my equipment as well as a lot of other information on my station. It is in the "Visit My Sack" section of my Website.

I just joined the group want and wanted to say hello, share a little information about my Kenwoods.

Mike KU4ZD / NNN0ABL

Visit my Radio Web Pages:
http://miked2000.home.mindspring.com/radioindex.htm
http://www.qsl.net/ku4zd

APRS Track: KU4ZD-15

E-mail address:
ku4zd@...
ku4zd@...

4. Re: [TS-520_820_530_830] Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-01 18:18:56 UTC
From: Bill
Topic: 1 Message: 4

That's great, Fred, thanks for telling us about
yourself. Enjoyed hearing of your duties at Ground
Zero, thank you for being there.

bill K0ZL

--- Fred Stevens K2FRD <thefred@...> wrote:
> I'm Fred K2FRD, first licensed in 1961. I'm a
> Kenwood fan and joined
> this list because my TS-520 has proven to be a
> hard-working durable
> rig. It's only shortcoming is that it doesn't cover
> the WARC bands,
> so I use it for backup to my TS-50. I do a LOT of
> portable operations
> including all of summer 2001 on a personal
> DXpedition to VO2
> Labrador. However, I've used my 520 on several JOTAs
> (Scout Jamboree
> On The Air) working off either a generator or my car
> battery (the
> 6146s will drain a battery in less than two hours).
>

=====

Eccl 2:24, 25 A man can do nothing better than to eat and drink and find satisfaction in his work. This too, I see, is from the hand of God, for without him, who can eat or find enjoyment?

_____
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5. Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-02 23:36:34 UTC
From: ku4a
Topic: 1 Message: 5

Hi Bill. Of course, you know me from the other clubs and our e-mail exchange, but I'll say a few words for those who don't know me.

My "ticket" to this club is a TS-520S and a TS-820 (note: 820 not 820S - mine does not have a digital display) that I purchased for my collection within the last year. The 520S is perfect as far as I know. The 820 has some intermittents on transmit that we have talked about before. I promise I will work on it RSN (real soon now :-)). It works pretty well most of the time. I suspect it has been exposed to cigarette smoke.

I'm keeping an eye out for a 530, 830 and/or accessories for any of these. KU4ZD if you ever decide to sell any of your transverters, let me know ;-).

By the way, Bill, if you are interested in expanding the list of excellent clubs you moderate, I also have an Icom IC-745, TenTec Argonaut 509 and Atlas 210X, that, as far as I know, aren't covered by any existing clubs :-). There are clubs for my other gear (IC-706, TS-440S, Drakes, etc.).

73 to all
KU4A

6. Re: [TS-520_820_530_830] Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-03 01:21:11 UTC
From: Bill
Topic: 1 Message: 6

Hi Chris, thanks for introducing yourself!

As for the other rigs not covered by a Yahoo club, be my guest! It's not hard to set up a new club, and moderating them only takes about ten minutes a day max.

The intermittants on the 820; try cleaning the T/R relay contacts. Cig smoke does a number on them; also take the VCO/DIVIDER ass'ys apart and spray CaiLube on the betwixt-board stake connectors, and re-assemble. That usually cures it.

Also check your bandswitch shaft coupling inside the final tank enclosure; if it is cracked, the bandswitch won't index properly and some bands will be intermittant.

b

--- ku4a <ku4a@...> wrote:
> Hi Bill. Of course, you know me from the other clubs
> and our e-mail
> exchange, but I'll say a few words for those who
> don't know me.
>
> My "ticket" to this club is a TS-520S and a TS-820
> (note: 820 not 820S
> - mine does not have a digital display) that I
> purchased for my
> collection within the last year. The 520S is perfect
> as far as I know.
> The 820 has some intermittents on transmit that we
> have talked about
> before. I promise I will work on it RSN (real soon
> now :-)). It works
> pretty well most of the time. I suspect it has been
> exposed to
> cigarette smoke.
>
> I'm keeping an eye out for a 530, 830 and/or
> accessories for any of
> these. KU4ZD if you ever decide to sell any of your
> transverters, let
> me know ;-).
>

> By the way, Bill, if you are interested in expanding
> the list of
> excellent clubs you moderate, I also have an Icom
> IC-745, TenTec
> Argonaut 509 and Atlas 210X, that, as far as I know,
> aren't covered by
> any existing clubs :-). There are clubs for my other
> gear (IC-706,
> TS-440S, Drakes, etc.).
>
> 73 to all
> KU4A
>
>

=====

Eccl 2:24, 25 A man can do nothing better than to eat and drink and find satisfaction in his work. This too, I see, is from the hand of God, for without him, who can eat or find enjoyment?

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7. Re: [TS-520_820_530_830] Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-03 03:10:01 UTC
From: w6ors@juno.com
Topic: 1 Message: 7

FB on the "cailube", but if you use the Caig Labs "DeoxIT" and finish up
with their "PreserveIT" the cleaning job will last much longer.
Here in Hawaii we have the heat and dampness that causes these type
contacts to oxidize quite fast. One of the locals was cleaning his at
least once a month before Caig. I've used it extensively (I have 3ea
TS-820S) and can safely say the solution is a keeper.
73,
Corky W6ORS

On Fri, 2 Aug 2002 18:21:11 -0700 (PDT) Bill <coorsbill@...>
writes:
Hi Chris, thanks for introducing yourself!

As for the other rigs not covered by a Yahoo club, be
my guest! It's not hard to set up a new club, and
moderating them only takes about ten minutes a day
max.

The intermittants on the 820; try cleaning the T/R
relay contacts. Cig smoke does a number on them; also
take the VCO/DIVIDER ass'ys apart and spray CaiLube on
the betwixt-board stake connectors, and re-assemble.
That usually cures it.

Also check your bandswitch shaft coupling inside the
final tank enclosure; if it is cracked, the bandswitch
won't index properly and some bands will be
intermittant.

b

--- ku4a <ku4a@...> wrote:
> Hi Bill. Of course, you know me from the other clubs
> and our e-mail
> exchange, but I'll say a few words for those who
> don't know me.
>
> My "ticket" to this club is a TS-520S and a TS-820
> (note: 820 not 820S
> - mine does not have a digital display) that I
> purchased for my
> collection within the last year. The 520S is perfect
> as far as I know.
> The 820 has some intermittents on transmit that we
> have talked about
> before. I promise I will work on it RSN (real soon

> now :-)). It works
> pretty well most of the time. I suspect it has been
> exposed to
> cigarette smoke.
>
> I'm keeping an eye out for a 530, 830 and/or
> accessories for any of
> these. KU4ZD if you ever decide to sell any of your
> transverters, let
> me know ;-).
>
> By the way, Bill, if you are interested in expanding
> the list of
> excellent clubs you moderate, I also have an Icom
> IC-745, TenTec
> Argonaut 509 and Atlas 210X, that, as far as I know,
> aren't covered by
> any existing clubs :-). There are clubs for my other
> gear (IC-706,
> TS-440S, Drakes, etc.).
>
> 73 to all
> KU4A
>
>

=====

Eccl 2:24, 25 A man can do nothing better than to eat and drink and find satisfaction in his work. This too, I see, is from the hand of God, for without him, who can eat or find enjoyment?

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8. Re: [TS-520_820_530_830] Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-03 13:47:17 UTC
From: Bill
Topic: 1 Message: 8

Thanks will try that... worst is the controls in the
vintage car radios!

I have some DeOxit but need to get some Preserveit
too. With the demise of Radioshack.com, I am reduced
to ordering this stuff online (this, in a major city
like Denver!).

bill

--- w6ors@... wrote:
> FB on the "cailube", but if you use the Caig Labs
> "DeoxIT" and finish up
> with their "PreserveIT" the cleaning job will last
> much longer.
> Here in Hawaii we have the heat and dampness that
> causes these type
> contacts to oxidize quite fast. One of the locals
> was cleaning his at
> least once a month before Caig. I've used it
> extensively (I have 3ea
> TS-820S) and can safely say the solution is a
> keeper.
> 73,
> Corky W6ORS
>
> On Fri, 2 Aug 2002 18:21:11 -0700 (PDT) Bill
> <coorsbill@...>
> writes:
> Hi Chris, thanks for introducing yourself!
>
> As for the other rigs not covered by a Yahoo club,
> be
> my guest! It's not hard to set up a new club, and
> moderating them only takes about ten minutes a day
> max.
>
> The intermittants on the 820; try cleaning the T/R
> relay contacts. Cig smoke does a number on them;
> also
> take the VCO/DIVIDER ass'ys apart and spray CaiLube
> on
> the betwixt-board stake connectors, and re-assemble.
> That usually cures it.
>
> Also check your bandswitch shaft coupling inside the

> final tank enclosure; if it is cracked, the
> bandswitch
> won't index properly and some bands will be
> intermittant.
>
> b
>
> --- ku4a <ku4a@...> wrote:
> > Hi Bill. Of course, you know me from the other
> clubs
> > and our e-mail
> > exchange, but I'll say a few words for those who
> > don't know me.
> >
> > My "ticket" to this club is a TS-520S and a TS-820
> > (note: 820 not 820S
> > - mine does not have a digital display) that I
> > purchased for my
> > collection within the last year. The 520S is
> perfect
> > as far as I know.
> > The 820 has some intermittents on transmit that we
> > have talked about
> > before. I promise I will work on it RSN (real soon
> > now :-)). It works
> > pretty well most of the time. I suspect it has
> been
> > exposed to
> > cigarette smoke.
> >
> > I'm keeping an eye out for a 530, 830 and/or
> > accessories for any of
> > these. KU4ZD if you ever decide to sell any of
> your
> > transverters, let
> > me know ;-).
> >
> > By the way, Bill, if you are interested in
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> > excellent clubs you moderate, I also have an Icom
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> > Argonaut 509 and Atlas 210X, that, as far as I
> know,
> > aren't covered by
> > any existing clubs :-). There are clubs for my
> other
> > gear (IC-706,
> > TS-440S, Drakes, etc.).
> >

> > 73 to all
> > KU4A
> >
> >
>
>
> =====
>
> Eccl 2:24, 25 A man can do nothing better than to
> eat and drink and find
> satisfaction in his work. This too, I see, is from
> the hand of God, for
> without him, who can eat or find enjoyment?
>
>
> _____
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_____
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9. Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-05 12:10:22 UTC
From: ku4a
Topic: 1 Message: 9

Thanks Bill and Corky for the info. I have printed out your posts for future reference.

I acquired a new project at our hamfest yesterday. It's a Drake, so I won't talk about it here :-)

KU4A

10. Re: [TS-520_820_530_830] Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-05 14:14:20 UTC
From: Bill
Topic: 1 Message: 10

Aw, go on!

b

--- ku4a <ku4a@...> wrote:
> Thanks Bill and Corky for the info. I have printed
> out your posts for
> future reference.
>
> I acquired a new project at our hamfest yesterday.
> It's a Drake, so I
> won't talk about it here :-)
>
> KU4A
>
>

=====

Eccl 2:24, 25 A man can do nothing better than to eat and drink and find satisfaction in his work. This too, I see, is from the hand of God, for without him, who can eat or find enjoyment?

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11. new member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-06 14:11:11 UTC
From: m0dbo
Topic: 11 Message: 11

hi just thought i would say hello.
ijoined the group yesterday. i have
a ts530sp which is my main rig at
the momment. so it is used daily
mainly on 20m and 40m.from nigel
head m0dbo

12. Re: [TS-520_820_530_830] new member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-06 17:23:23 UTC
From: Bill
Topic: 11 Message: 12

Nigel,

Thanks for joining and for your first post! That is
great.

The 530 is a great rig! Has all the flavor and charm
of the 520, plus digital readout and warc bands, no?

There are many hams who still prefer the
520/530/820/830 over the current offerings, whether
because of pricing, fondness of glow-bugs or just
wanting a rig with real knobs that tune things.. each
one has his reasons!

I chose to combine four models into one list, because
they share many characteristics, circuits and
problems, and they all have that classic Kenwood look.

73!

Bill K0ZL
--- m0dbo <nhead@...> wrote:
> hi just thought i would say hello.
> ijoined the group yesterday. i have
> a ts530sp which is my main rig at
> the momment. so it is used daily
> mainly on 20m and 40m.from nigel
> head m0dbo
>
>

=====

Eccl 2:24, 25 A man can do nothing better than to eat and drink and find satisfaction in his work. This too, I see, is from the hand of God, for without him, who can eat or find enjoyment?

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13. new to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-13 13:49:03 UTC
From: g1cpu
Topic: 13 Message: 13

Hello all,

Having having recently obtained a TS-530S in very good condition. I am very pleased with the results so far to say that my Yaesu FT757GX has been placed back in its packing box ! The receiver sensitivity and the quality of the audio seems to knocks spots off the FT757GX.

I would be interested to hear from any one who has had any past experience with the optional IF filters or TS-530S in general. I tend to sit on the 40m band and although the TS-530S doesnt come fitted with a notch or variable IF filter I wondered if the narrower 1.8khz ssb filter is actually worth the money?.

Any thoughts or suggestions?

Thanks.

Greg Milligan

G1CPU / M3BBP

14. Re: [TS-520_820_530_830] new to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-13 19:57:48 UTC
From: Bill
Topic: 13 Message: 14

I would not go with the narrow filter on the 530,
rather might try some out board DSP noise reducer.
Reason being, 75-40m just doesnt' sound good through
narrow SSB filter because of all the atmospheric
noise. It causes a narrow filter to ring
unpleasantly, and it will fatigue you after a while.

b

--- g1cpu <g.milligan@...> wrote:
> Hello all,
>
> Having having recently obtained a TS-530S in very
> good condition. I
> am very pleased with the results so far to say that
> my Yaesu FT757GX
> has been placed back in its packing box ! The
> receiver sensitivity
> and the quality of the audio seems to knocks spots
> off the FT757GX.
>
> I would be interested to hear from any one who has
> had any past
> experience with the optional IF filters or TS-530S
> in general. I tend
> to sit on the 40m band and although the TS-530S
> doesnt come fitted
> with a notch or variable IF filter I wondered if the
> narrower 1.8khz
> ssb filter is actually worth the money?.
>
> Any thoughts or suggestions?
>
> Thanks.
>
> Greg Milligan
>
> G1CPU / M3BBP
>
>

=====

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15. Re: [TS-520_820_530_830] new to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-14 11:24:31 UTC
From: G. Milligan
Topic: 13 Message: 15

Thank you very much for your advice bill.

For those of you who have a TS-830 the following web page might be of some use, I stumbled across this page this morning which covers "Circuit Improvements and Maintenance Procedures for the TS-830S" by Richard L. Measures, AG6K.

The url is http://www.vcnet.com/measures/830.html

Perhaps one for the bookmarks, I hope it is useful to someone.

73's

Greg

Bill wrote:
>
> I would not go with the narrow filter on the 530,
> rather might try some out board DSP noise reducer.
> Reason being, 75-40m just doesnt' sound good through
> narrow SSB filter because of all the atmospheric
> noise. It causes a narrow filter to ring
> unpleasantly, and it will fatigue you after a while.
>
> b
>
> --- g1cpu <g.milligan@...> wrote:
> > Hello all,
> >
> > Having having recently obtained a TS-530S in very
> > good condition. I
> > am very pleased with the results so far to say that
> > my Yaesu FT757GX
> > has been placed back in its packing box ! The
> > receiver sensitivity
> > and the quality of the audio seems to knocks spots
> > off the FT757GX.
> >
> > I would be interested to hear from any one who has
> > had any past
> > experience with the optional IF filters or TS-530S
> > in general. I tend
> > to sit on the 40m band and although the TS-530S
> > doesnt come fitted
> > with a notch or variable IF filter I wondered if the
> > narrower 1.8khz

> > ssb filter is actually worth the money?.
> >
> > Any thoughts or suggestions?
> >
> > Thanks.
> >
> > Greg Milligan
> >
> > G1CPU / M3BBP
> >
> >
>
> =====
>
> see our website www.amateur-repairs.com
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16. Re: [TS-520_820_530_830] new to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-14 13:46:48 UTC
From: Bill
Topic: 13 Message: 16

Rich has some great mods and repair tips, I have used
many of them.

bill

--- "G. Milligan" <g.milligan@...> wrote:
> Thank you very much for your advice bill.
>
> For those of you who have a TS-830 the following web
> page might be of
> some use, I stumbled across this page this morning
> which covers "Circuit
> Improvements and Maintenance Procedures for the
> TS-830S" by Richard L.
> Measures, AG6K.
>
> The url is http://www.vcnet.com/measures/830.html
>
> Perhaps one for the bookmarks, I hope it is useful
> to someone.
>
> 73's
>
> Greg
>

=====

see our website www.amateur-repairs.com

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17. New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-30 03:23:55 UTC
From: coorsbill
Topic: 17 Message: 17

Welcome to new member Rudy Pitte!

Tell us about yourself and your hobby, Mr. Pitte.

73!

Bill K0ZL

18. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-08-30 14:59:05 UTC
From: Rudy Pitte
Topic: 17 Message: 18

Thanks for the response, Bill, and hello to all. I've used a TS-820S for better than 15 years now and still runs as good as the day I purchased it and I believe I'm the 3rd owner. Only plagued occasionally with that common LED display problem. Too lazy to go in and clean it up. Still putting out max power and still get good reports even though my antenna is a 4-band Spider on a camera tripod(those stinkin' CC&R's, you know). I'd really like an 830 for the extra bands but found an ICOM 706 that I'm really enjoying also. Amazing what they're putting in small packages these days!
The rest of the station consists of a R.S. HTX-10(2), HTX-252 and HTX-245. I've been mobile with one of the 10m's but removed it after selling that vehicle. I'm planning on re-installing in another vehicle and work 10m till it dies for this cycle. Maybe run the 706 mobile also. QTH here is Chandler, Az. 85248.
Looking forward to chatting with other TS-5???/8??? lovers for their experiences. Also like to hear about antenna experiences in CC&R(ugh!) restricted areas.
73's.
Rudy
"WW7AZ in the valley of the sun"
coorsbill wrote:Welcome to new member Rudy Pitte!

Tell us about yourself and your hobby, Mr. Pitte.

73!

Bill K0ZL

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19. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-02 15:41:13 UTC
From: Bill
Topic: 17 Message: 19

Thanks Rudy!

I love these old rigs.

The intermittant counter thing is easy to fix, hardest part is getting the PLL/VCO and counter modules out and back in. Just make notes of where the plug-in connectors go (I mark them with a "sharpie", "5", "6" etc) and don't loose any screws. A magnetized #2 Phillips screwdriver is all you need, along with a can of Cailube or other high-end cleaner.

I don't spray the connectors direcly, but use a foam-tipped applicator (for tape head cleaning, etc) and spray the applicator, then get all sides of the square connector pins. Then you just put the board back in the small chassis, pull it out, wipe the pins again, and put it all back together.

73

bill
--- Rudy Pitte <rudypitte@...> wrote:
>
> Thanks for the response, Bill, and hello to all.
> I've used a TS-820S for better than 15 years now and
> still runs as good as the day I purchased it and I
> believe I'm the 3rd owner. Only plagued occasionally
> with that common LED display problem. Too lazy to go
> in and clean it up. Still putting out max power and
> still get good reports even though my antenna is a
> 4-band Spider on a camera tripod(those stinkin'
> CC&R's, you know). I'd really like an 830 for the
> extra bands but found an ICOM 706 that I'm really
> enjoying also. Amazing what they're putting in small
> packages these days!
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> HTX-10(2), HTX-252 and HTX-245. I've been mobile
> with one of the 10m's but removed it after selling
> that vehicle. I'm planning on re-installing in
> another vehicle and work 10m till it dies for this
> cycle. Maybe run the 706 mobile also. QTH here is
> Chandler, Az. 85248.
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> lovers for their experiences. Also like to hear
> about antenna experiences in CC&R(ugh!) restricted

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20. TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-02 20:00:00 UTC
From: fiberkey
Topic: 20 Message: 20

Hello Gentlemen,

I am a new member of the group and have a TS-530S in mint condition. I am a EE from the tube era and bought the TS-530S as a "transition" radio to still have at least a tube final. Solid state for the rest is fine however I like to be able to adjust the pi-network and really fine tune the output.

I would like to relate a unique (I think) problem and fix that I hope will save some one with the same situation several hours.

The TS-530S suddenly "crackeled" and lost all RF output on all bands. Drive in the ALC position was fine but plate current (Ip) would not dip on any band. All voltages on the 6146s were perfect. The ceramic plate coupling capacitor was also fine but the output tank could not be dipped with a grid dip meter. An ohmmeter showed everything connected properly (or so I thought)!

To make a long story short the problem turned out to be a cold solder joint on the plate tuning capacitor stator. Considering the guage of the stator and the wire (the heavy coil) it was amazing that this could become open. A soldering iron bubbled out the rosin and the rig was perfect after. This probably was an original factory defect that took 20 years to surface.

It just goes to show that you can't judge a connection by it's looks. Even heavy connections can fail.

Best regards to everyone in the group and I will look in from time-to-time.

By the way, I am also the author of "Math's Notes" for CQ Magazine (since 1970).

73, Irwin
WA2NDM

21. Re: [TS-520_820_530_830] TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-03 02:31:41 UTC
From: Bill
Topic: 20 Message: 21

CONGRATS on the fix!

The key was the lack of resonance...

b

--- fiberkey <im@...> wrote:
> Hello Gentlemen,
>
> I am a new member of the group and have a TS-530S in
> mint
> condition. I am a EE from the tube era and bought
> the TS-530S
> as a "transition" radio to still have at least a
> tube final.
> Solid state for the rest is fine however I like to
> be able to
> adjust the pi-network and really fine tune the
> output.
>
> I would like to relate a unique (I think) problem
> and fix that
> I hope will save some one with the same situation
> several hours.
>
> The TS-530S suddenly "crackeled" and lost all RF
> output on all
> bands. Drive in the ALC position was fine but plate
> current
> (Ip) would not dip on any band. All voltages on the
> 6146s were
> perfect. The ceramic plate coupling capacitor was
> also fine but
> the output tank could not be dipped with a grid dip
> meter. An
> ohmmeter showed everything connected properly (or so
> I thought)!
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> guage of the stator and the wire (the heavy coil) it
> was amazing that
> this could become open. A soldering iron bubbled
> out the rosin

> and the rig was perfect after. This probably was an
> original
> factory defect that took 20 years to surface.
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> It just goes to show that you can't judge a
> connection by it's
> looks. Even heavy connections can fail.
>
> Best regards to everyone in the group and I will
> look in from
> time-to-time.
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> By the way, I am also the author of "Math's Notes"
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> 73, Irwin
> WA2NDM
>
>

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22. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-03 15:18:14 UTC
From: Rudy Pitte
Topic: 17 Message: 22

Thanks for the reply and procedure, Bill. I'll put it on my "duck" list. I also just purchased a Cushcraft MA5B mini-beam. Just wondering if anyone has any experience with this antenna(good reviews in e-Ham.net). Also looking for methods (masts, tripods, etc.) of getting this guy up in the air. Did I mention CC&R's?! Also trying to keep this antenna portable(tripod with wheels?) to move it around to confuse the HOA Nazi's! If this isn't the right place to post this just let me know. Tnx agn es 73's.
Rudy
WW7AZ

Bill wrote:Thanks Rudy!

I love these old rigs.

The intermittant counter thing is easy to fix, hardest
part is getting the PLL/VCO and counter modules out
and back in. Just make notes of where the plug-in
connectors go (I mark them with a "sharpie", "5", "6"
etc) and don't loose any screws. A magnetized #2
Phillips screwdriver is all you need, along with a can
of Cailube or other high-end cleaner.

I don't spray the connectors direcly, but use a
foam-tipped applicator (for tape head cleaning, etc)
and spray the applicator, then get all sides of the
square connector pins. Then you just put the board
back in the small chassis, pull it out, wipe the pins
again, and put it all back together.

73

bill
--- Rudy Pitte <rudypitte@...> wrote:
>
> Thanks for the response, Bill, and hello to all.
> I've used a TS-820S for better than 15 years now and
> still runs as good as the day I purchased it and I
> believe I'm the 3rd owner. Only plagued occasionally
> with that common LED display problem. Too lazy to go
> in and clean it up. Still putting out max power and
> still get good reports even though my antenna is a
> 4-band Spider on a camera tripod(those stinkin'
> CC&R's, you know). I'd really like an 830 for the
> extra bands but found an ICOM 706 that I'm really
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> areas.
> 73's.
> Rudy
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> coorsbill wrote:Welcome to new member Rudy Pitte!
>
> Tell us about yourself and your hobby, Mr. Pitte.
>
> 73!
>
> Bill K0ZL
>
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23. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-03 20:39:32 UTC
From: Bill
Topic: 17 Message: 23

OK to post here, I don't know of any antenna stealth
groups yet, do you? hi hi...

Have not heard reports on too many antennas, guess I
tend to pay more att'n to the rigs, hi!

bill

--- Rudy Pitte <rudypitte@...> wrote:
>
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> it on my "duck" list. I also just purchased a
> Cushcraft MA5B mini-beam. Just wondering if anyone
> has any experience with this antenna(good reviews in
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> es 73's.
> Rudy
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>
> Bill wrote:Thanks Rudy!
>
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> and spray the applicator, then get all sides of the
> square connector pins. Then you just put the board
> back in the small chassis, pull it out, wipe the
> pins
> again, and put it all back together.

>
> 73
>
> bill
> --- Rudy Pitte <rudypitte@...> wrote:
> >
> > Thanks for the response, Bill, and hello to all.
> > I've used a TS-820S for better than 15 years now
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> > still runs as good as the day I purchased it and I
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24. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-03 22:15:19 UTC
From: Rudy Pitte
Topic: 17 Message: 24

Ok, Bill. Maybe someone will chime in. Bunch of mailing lists here. A little something for everyone.
http://mailman.qth.net/mailman/listinfo
Rudy
Bill wrote:OK to post here, I don't know of any antenna stealth
groups yet, do you? hi hi...

Have not heard reports on too many antennas, guess I
tend to pay more att'n to the rigs, hi!

bill

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> Bill wrote:Thanks Rudy!
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> back in the small chassis, pull it out, wipe the
> pins
> again, and put it all back together.
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> 73
>
> bill
> --- Rudy Pitte <rudypitte@...> wrote:
> >
> > Thanks for the response, Bill, and hello to all.
> > I've used a TS-820S for better than 15 years now
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> > still runs as good as the day I purchased it and I
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> > in and clean it up. Still putting out max power
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25. Re: [TS-520_820_530_830] New Member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-03 22:43:21 UTC
From: Bill
Topic: 17 Message: 25

man that's a lot 'o' lists!

73

bill

--- Rudy Pitte <rudypitte@...> wrote:
>
> Ok, Bill. Maybe someone will chime in. Bunch of
> mailing lists here. A little something for everyone.
> http://mailman.qth.net/mailman/listinfo
> Rudy
> Bill wrote:OK to post here, I don't know of any
> antenna stealth
> groups yet, do you? hi hi...
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> Have not heard reports on too many antennas, guess I
> tend to pay more att'n to the rigs, hi!
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> > Thanks for the reply and procedure, Bill. I'll put
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> > Rudy
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> > Bill wrote:Thanks Rudy!
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> > I love these old rigs.
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> > The intermittant counter thing is easy to fix,
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> > part is getting the PLL/VCO and counter modules

> out
> > and back in. Just make notes of where the plug-in
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> > --- Rudy Pitte <rudypitte@...> wrote:
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> > > Thanks for the response, Bill, and hello to all.
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> > > Tell us about yourself and your hobby, Mr.
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http://finance.yahoo.com

26. hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-09 15:43:30 UTC
From: sparks98.g4kki
Topic: 26 Message: 26

Hi All,
i am a new member, i am G4KKI and i live in Manchester in the North West of England.
I have a ts530s.which has developed a slight fault and i wondered ifanyone has come across this and got a cure
.It seems to keep going deaf,i click the key or send switch and signals comeback up to normal.
The bandswitches seem ok . Wondered if perhaps the tx/rx relay might be at fault ?

Not had time yet to read through the messages that have been posted to the group but will do so
later this evening.
A very good afternoon/evening/morning to who ever is in the group,where ever you may be

73's de

Bill Stevenson G4KKI. RSARS 1596 FISTS 7709

27. Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-09 16:50:02 UTC
From: sparks98uk
Topic: 1 Message: 27

Hi all

i forgot to tell you all a bit about myself,sorry. I am aged 54
and have been licensed since 1981,before that i was a radio op in the
army,Royal Corps of Signals. I joined as a boy aged 15 in 1964.
I operate allmost all on cw. apart from the TS530S i also own a
rather ancient KW2000B and an even older AR88LF RXER.
Lots more i could write but i won't bore you with it just now

Regards alll

Bill G4KKI

--- In TS-520_820_530_830@y..., Fred Stevens K2FRD <thefred@a...>
wrote:
> I'm Fred K2FRD, first licensed in 1961. I'm a Kenwood fan and
joined
> this list because my TS-520 has proven to be a hard-working durable
> rig. It's only shortcoming is that it doesn't cover the WARC bands,
> so I use it for backup to my TS-50. I do a LOT of portable
operations
> including all of summer 2001 on a personal DXpedition to VO2
> Labrador. However, I've used my 520 on several JOTAs (Scout
Jamboree
> On The Air) working off either a generator or my car battery (the
> 6146s will drain a battery in less than two hours).
>
> QTH is Guilford, Chenango County, upstate New York, where the
closest
> landmark is Cooperstown (Baseball Hall of Fame), about 40 radio
miles
> ENE.
>
> I use Eudora Pro 5.1 on my Mac 7300/G3/400, so I don't have Yahoo's
> email window; since Eudora isn't a web-based emailer, when I
delete,
> I can still recover messages.
>
> I've done a complete rearrange of my living room shack and plan to
> fire up the 520 soon, just to keep the contacts from corroding and
> keep my mind refreshed on loading tube rigs.
>
> More details on my little adventures are in the links below.
>
> Looking forward to hearing good things on this list.
>

> 73 de Fred
> K2FRD
>
> At 13:50 +0000 01/08/2002, coorsbill wrote:
> >WELCOME to TheFred and KU4A!
> >
> >Why not hit the "reply" button (hey with the new format, YAHOO
> >switched them around so be careful you don't delete me, har...) and
> >tell us about yourselves and your stations guys.
>
> --
> 73 de Fred Stevens K2FRD
> Chenango Co. (NY) Assistant Emergency Coordinator
> Foothills District, Otschodela Council BSA Committees
> Otschodela Council Amateur Radio Group
http://www.ascent.net/thefred/ocarg.htm
> K2FRD Personal Adventure page:
http://www.ascent.net/thefred/K2FRD.htm
> Fred's newest toy: http://www.ascent.net/thefred/M1911A1.htm .
> Subscribe to the OCARG EAGLE monthly Scouting/Ham Radio newsletter
> (no cost, no spam):
> Send email to: mailto:thefred@a... .
> For a narrative of my VO2/K2FRD Labrador DXpediton:
> http://www.wpe.com/~oarc/news/page5.html .

28. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-10 00:30:25 UTC
From: Bill
Topic: 26 Message: 28

Definitely a relay. If you have a good cleaner such
as Cailube, you can just spritz the contacts a bit,
and cycle it. If you can, also slide a very narrow
piece of manila folder paper between the contacts with
the juice on it, and try to get both the NC and the NO
contacts.

If you have to replace the relay, it's Kenwood part
number S51-4402-05.

If you cannot locate one of these locally, let me
know, email direct please.

73!

Bill K0ZL
--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi All,
> i am a new member, i am G4KKI and i live in
> Manchester in the North West of England.
> I have a ts530s.which has developed a slight fault
> and i wondered ifanyone has come across this and got
> a cure
> .It seems to keep going deaf,i click the key or send
> switch and signals comeback up to normal.
> The bandswitches seem ok . Wondered if perhaps the
> tx/rx relay might be at fault ?
>
> Not had time yet to read through the messages that
> have been posted to the group but will do so
> later this evening.
> A very good afternoon/evening/morning to who ever is
> in the group,where ever you may be
>
> 73's de
>
> Bill Stevenson G4KKI. RSARS 1596 FISTS 7709
>

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29. Re: [TS-520_820_530_830] Re: Welcome new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-10 00:32:03 UTC
From: Bill
Topic: 1 Message: 29

Those AR88's are quite the receiver, aren't they?

There is another Yahoo group that you may be
interested in, it's tuberadios.

A bit inactive now but it usually picks up in the
winter, when people are more interested in talking
about their glow-in-the-dark radios!

73
Bill K0ZL

--- sparks98uk <sparks98.g4kki@...> wrote:
>
> Hi all
>
> i forgot to tell you all a bit about
> myself,sorry. I am aged 54
> and have been licensed since 1981,before that i was
> a radio op in the
> army,Royal Corps of Signals. I joined as a boy aged
> 15 in 1964.
> I operate allmost all on cw. apart from the
> TS530S i also own a
> rather ancient KW2000B and an even older AR88LF
> RXER.
> Lots more i could write but i won't bore you
> with it just now
>
> Regards alll
>
>
>
> Bill G4KKI
>
> --- In TS-520_820_530_830@y..., Fred Stevens K2FRD
> <thefred@a...>
> wrote:
> > I'm Fred K2FRD, first licensed in 1961. I'm a
> Kenwood fan and
> joined
> > this list because my TS-520 has proven to be a
> hard-working durable
> > rig. It's only shortcoming is that it doesn't
> cover the WARC bands,
> > so I use it for backup to my TS-50. I do a LOT of

> portable
> operations
> > including all of summer 2001 on a personal
> DXpedition to VO2
> > Labrador. However, I've used my 520 on several
> JOTAs (Scout
> Jamboree
> > On The Air) working off either a generator or my
> car battery (the
> > 6146s will drain a battery in less than two
> hours).
> >
> > QTH is Guilford, Chenango County, upstate New
> York, where the
> closest
> > landmark is Cooperstown (Baseball Hall of Fame),
> about 40 radio
> miles
> > ENE.
> >
> > I use Eudora Pro 5.1 on my Mac 7300/G3/400, so I
> don't have Yahoo's
> > email window; since Eudora isn't a web-based
> emailer, when I
> delete,
> > I can still recover messages.
> >
> > I've done a complete rearrange of my living room
> shack and plan to
> > fire up the 520 soon, just to keep the contacts
> from corroding and
> > keep my mind refreshed on loading tube rigs.
> >
> > More details on my little adventures are in the
> links below.
> >
> > Looking forward to hearing good things on this
> list.
> >
> > 73 de Fred
> > K2FRD
> >
> > At 13:50 +0000 01/08/2002, coorsbill wrote:
> > >WELCOME to TheFred and KU4A!
> > >
> > >Why not hit the "reply" button (hey with the new
> format, YAHOO
> > >switched them around so be careful you don't
> delete me, har...) and
> > >tell us about yourselves and your stations guys.

> >
> > --
> > 73 de Fred Stevens K2FRD
> > Chenango Co. (NY) Assistant Emergency Coordinator
> > Foothills District, Otschodela Council BSA
> Committees
> > Otschodela Council Amateur Radio Group
> http://www.ascent.net/thefred/ocarg.htm
> > K2FRD Personal Adventure page:
> http://www.ascent.net/thefred/K2FRD.htm
> > Fred's newest toy:
> http://www.ascent.net/thefred/M1911A1.htm .
> > Subscribe to the OCARG EAGLE monthly Scouting/Ham
> Radio newsletter
> > (no cost, no spam):
> > Send email to: mailto:thefred@a... .
> > For a narrative of my VO2/K2FRD Labrador
> DXpediton:
> > http://www.wpe.com/~oarc/news/page5.html .
>
>

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30. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-10 09:34:24 UTC
From: sparks98.g4kki
Topic: 26 Message: 30

Hi Bill,
thanks for that info, i have tried to clean the relay contacts but it has made very little difference.
I will see if i can get a replacement relay from it over here but not sure yet how available they are in the
uk. Most the dealers here don't want to know you if they are'nt going to do the job themselves and
if your rig is over a couple of years old it's obsolete !
The cleaner i have used is Servisol super 10, i suppose that they are nearly all the same .I might try
putting the tx/rx over on the other contacts and tape the aux ones up for now. Never used the aux socket.

73's
de
Bill
G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, September 10, 2002 1:30 AM
Subject: Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Definitely a relay. If you have a good cleaner such
as Cailube, you can just spritz the contacts a bit,
and cycle it. If you can, also slide a very narrow
piece of manila folder paper between the contacts with
the juice on it, and try to get both the NC and the NO
contacts.

If you have to replace the relay, it's Kenwood part
number S51-4402-05.

If you cannot locate one of these locally, let me
know, email direct please.

73!

Bill K0ZL
--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi All,
> i am a new member, i am G4KKI and i live in
> Manchester in the North West of England.
> I have a ts530s.which has developed a slight fault
> and i wondered ifanyone has come across this and got

> a cure
> .It seems to keep going deaf,i click the key or send
> switch and signals comeback up to normal.
> The bandswitches seem ok . Wondered if perhaps the
> tx/rx relay might be at fault ?
>
> Not had time yet to read through the messages that
> have been posted to the group but will do so
> later this evening.
> A very good afternoon/evening/morning to who ever is
> in the group,where ever you may be
>
> 73's de
>
> Bill Stevenson G4KKI. RSARS 1596 FISTS 7709
>

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31. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-10 22:56:36 UTC
From: Bill
Topic: 26 Message: 31

Ah you have a stubborn one.

Can you shoot me a picture of the relay? Want to make
sure i have the right one for you.

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi Bill,
> thanks for that info, i have tried to clean
> the relay contacts but it has made very little
> difference.
> I will see if i can get a replacement relay from it
> over here but not sure yet how available they are in
> the
> uk. Most the dealers here don't want to know you
> if they are'nt going to do the job themselves and
> if your rig is over a couple of years old it's
> obsolete !
> The cleaner i have used is Servisol super
> 10, i suppose that they are nearly all the same .I
> might try
> putting the tx/rx over on the other contacts and
> tape the aux ones up for now. Never used the aux
> socket.
>
> 73's
> de
> Bill
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Tuesday, September 10, 2002 1:30 AM
> Subject: Re: [TS-520_820_530_830] INTERMITTANT RX
> SENS
>
>
> Definitely a relay. If you have a good cleaner
> such
> as Cailube, you can just spritz the contacts a
> bit,
> and cycle it. If you can, also slide a very
> narrow
> piece of manila folder paper between the contacts

> with
> the juice on it, and try to get both the NC and
> the NO
> contacts.
>
> If you have to replace the relay, it's Kenwood
> part
> number S51-4402-05.
>
> If you cannot locate one of these locally, let me
> know, email direct please.
>
> 73!
>
> Bill K0ZL
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Hi All,
> > i am a new member, i am G4KKI and i live
> in
> > Manchester in the North West of England.
> > I have a ts530s.which has developed a slight
> fault
> > and i wondered ifanyone has come across this and
> got
> > a cure
> > .It seems to keep going deaf,i click the key or
> send
> > switch and signals comeback up to normal.
> > The bandswitches seem ok . Wondered if perhaps
> the
> > tx/rx relay might be at fault ?
> >
> > Not had time yet to read through the messages
> that
> > have been posted to the group but will do so
> > later this evening.
> > A very good afternoon/evening/morning to who
> ever is
> > in the group,where ever you may be
> >
> > 73's de
> >
> > Bill Stevenson G4KKI. RSARS 1596 FISTS 7709
> >
>
>
> =====
>
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http://dir.remember.yahoo.com/tribute

32. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-11 09:09:57 UTC
From: sparks98.g4kki
Topic: 26 Message: 32
Attachments: 2 described; binary payloads are missing from this source WARC

Bill,
here is a photo of the relay sorry it's out of focus but it's the best i can do with my simple camera.
Hope it's good enough to identify from.

best regards

Bill Stevenson

G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, September 10, 2002 11:56 PM
Subject: Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Ah you have a stubborn one.

Can you shoot me a picture of the relay? Want to make
sure i have the right one for you.

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi Bill,
> thanks for that info, i have tried to clean
> the relay contacts but it has made very little
> difference.
> I will see if i can get a replacement relay from it
> over here but not sure yet how available they are in
> the
> uk. Most the dealers here don't want to know you
> if they are'nt going to do the job themselves and
> if your rig is over a couple of years old it's
> obsolete !
> The cleaner i have used is Servisol super
> 10, i suppose that they are nearly all the same .I
> might try
> putting the tx/rx over on the other contacts and
> tape the aux ones up for now. Never used the aux
> socket.
>
> 73's
> de
> Bill

> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Tuesday, September 10, 2002 1:30 AM
> Subject: Re: [TS-520_820_530_830] INTERMITTANT RX
> SENS
>
>
> Definitely a relay. If you have a good cleaner
> such
> as Cailube, you can just spritz the contacts a
> bit,
> and cycle it. If you can, also slide a very
> narrow
> piece of manila folder paper between the contacts
> with
> the juice on it, and try to get both the NC and
> the NO
> contacts.
>
> If you have to replace the relay, it's Kenwood
> part
> number S51-4402-05.
>
> If you cannot locate one of these locally, let me
> know, email direct please.
>
> 73!
>
> Bill K0ZL
> --- "sparks98.g4kki" <sparks98.g4kki@ntlworld.com>
> wrote:
> > Hi All,
> > i am a new member, i am G4KKI and i live
> in
> > Manchester in the North West of England.
> > I have a ts530s.which has developed a slight
> fault
> > and i wondered ifanyone has come across this and
> got
> > a cure
> > .It seems to keep going deaf,i click the key or
> send
> > switch and signals comeback up to normal.
> > The bandswitches seem ok . Wondered if perhaps
> the
> > tx/rx relay might be at fault ?
> >
> > Not had time yet to read through the messages

> that
> > have been posted to the group but will do so
> > later this evening.
> > A very good afternoon/evening/morning to who
> ever is
> > in the group,where ever you may be
> >
> > 73's de
> >
> > Bill Stevenson G4KKI. RSARS 1596 FISTS 7709
> >
>
>
> =====
>
> see our website www.amateur-repairs.com
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33. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-11 12:01:02 UTC
From: sparks98.g4kki
Topic: 26 Message: 33

Bill,
sorry forgot you can't send photo/attachments in emails to yahoo.i'll post the pics in the files section
on the group site for you to look at as i could'nt find you r own email address in the one from yahoo.
When you have had a look at them i'll delete them.

best regards

Bill Stevenson
G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, September 10, 2002 1:30 AM
Subject: Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Definitely a relay. If you have a good cleaner such
as Cailube, you can just spritz the contacts a bit,
and cycle it. If you can, also slide a very narrow
piece of manila folder paper between the contacts with
the juice on it, and try to get both the NC and the NO
contacts.

If you have to replace the relay, it's Kenwood part
number S51-4402-05.

If you cannot locate one of these locally, let me
know, email direct please.

73!

Bill K0ZL
--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi All,
> i am a new member, i am G4KKI and i live in
> Manchester in the North West of England.
> I have a ts530s.which has developed a slight fault
> and i wondered ifanyone has come across this and got
> a cure
> .It seems to keep going deaf,i click the key or send
> switch and signals comeback up to normal.
> The bandswitches seem ok . Wondered if perhaps the
> tx/rx relay might be at fault ?
>
> Not had time yet to read through the messages that

> have been posted to the group but will do so
> later this evening.
> A very good afternoon/evening/morning to who ever is
> in the group,where ever you may be
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> 73's de
>
> Bill Stevenson G4KKI. RSARS 1596 FISTS 7709
>

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34. Re: [TS-520_820_530_830] INTERMITTANT RX SENS ts-530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-11 16:01:12 UTC
From: Bill
Topic: 26 Message: 34

OK pull back and give me a wider shot, so I can place
it... I might get a better idea of where it is in the
TS-530. I might have one in the shop soon, so I can
compare and tell you what it is.

b

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Bill,
> here is a photo of the relay sorry it's out
> of focus but it's the best i can do with my simple
> camera.
> Hope it's good enough to identify from.
>
> best regards
>
> Bill Stevenson
>
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Tuesday, September 10, 2002 11:56 PM
> Subject: Re: [TS-520_820_530_830] INTERMITTANT RX
> SENS
>

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http://dir.remember.yahoo.com/tribute

35. Re: [TS-520_820_530_830] INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-11 16:13:18 UTC
From: Bill
Topic: 26 Message: 35

pic came throug ok direct to me. i have attachment to
the group turned off to prevent spread of trojans.
bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Bill,
> sorry forgot you can't send photo/attachments
> in emails to yahoo.i'll post the pics in the files
> section
> on the group site for you to look at as i could'nt

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Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

36. Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-13 10:36:16 UTC
From: bill stevenson,ex Beaufighter tp 1964-19
Topic: 26 Message: 36

Hi Bill,
i have the ts530s back in it's case, so i will take it out
again over the weekend. To get a closer shot i will place it
(carefully !) on my scanner and scan it !

My camera is just one of those cheap digital ones that came out
over here and not really much good.
I can use the rig but it keeps going deaf,just a quick flick of
the key now and again puts it back to normal.
73's for now Bill

de Bill G4KKI

37. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-13 11:25:18 UTC
From: Bill
Topic: 26 Message: 37

I need a WIDER shot... pull back a little so I can
see where the relay is. I have svc manual
somewhere...

bill

--- "bill stevenson,ex Beaufighter tp 1964-1966"
<sparks98.g4kki@...> wrote:
> Hi Bill,
> i have the ts530s back in it's case, so i
> will take it out
> again over the weekend. To get a closer shot i will
> place it
> (carefully !) on my scanner and scan it !
>
> My camera is just one of those cheap digital
> ones that came out
> over here and not really much good.
> I can use the rig but it keeps going deaf,just
> a quick flick of
> the key now and again puts it back to normal.
> 73's for now Bill
>
> de Bill G4KKI
>
>

=====

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38. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-14 12:09:09 UTC
From: sparks98.g4kki
Topic: 26 Message: 38
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Bill,
here are 2 shots from further back,still out of focus i'm afraid. The relay is located inside the pa compartment. Bottom bit was covered by a small shield. Access to conections from inside the pa compartment,and removal of the cooling fan. Is this better ?

best regards

Bill Stevenson ex Beaufighter Troop jan 1964 - may 1966

G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, September 13, 2002 12:25 PM
Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

I need a WIDER shot... pull back a little so I can
see where the relay is. I have svc manual
somewhere...

bill

--- "bill stevenson,ex Beaufighter tp 1964-1966"
<sparks98.g4kki@...> wrote:
> Hi Bill,
> i have the ts530s back in it's case, so i
> will take it out
> again over the weekend. To get a closer shot i will
> place it
> (carefully !) on my scanner and scan it !
>
> My camera is just one of those cheap digital
> ones that came out
> over here and not really much good.
> I can use the rig but it keeps going deaf,just
> a quick flick of
> the key now and again puts it back to normal.
> 73's for now Bill
>
> de Bill G4KKI
>
>

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39. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-14 12:09:27 UTC
From: sparks98.g4kki
Topic: 26 Message: 39
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Bill,
here are 2 shots from further back,still out of focus i'm afraid. The relay is located inside the pa compartment. Bottom bit was covered by a small shield. Access to conections from inside the pa compartment,and removal of the cooling fan. Is this better ?

best regards

Bill Stevenson ex Beaufighter Troop jan 1964 - may 1966

G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, September 13, 2002 12:25 PM
Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

I need a WIDER shot... pull back a little so I can
see where the relay is. I have svc manual
somewhere...

bill

--- "bill stevenson,ex Beaufighter tp 1964-1966"
<sparks98.g4kki@...> wrote:
> Hi Bill,
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> I can use the rig but it keeps going deaf,just
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40. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-14 17:16:51 UTC
From: Bill
Topic: 26 Message: 40

OK that be the antenna relay, not the keying relay...
can you read the numbers on the cover for me?

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi Bill,
> here are 2 shots from further back,still out
> of focus i'm afraid. The relay is located inside the
> pa compartment. Bottom bit was covered by a small
> shield. Access to conections from inside the pa
> compartment,and removal of the cooling fan. Is this
> better ?
>
> best regards
>
> Bill Stevenson ex Beaufighter Troop jan 1964 -
> may 1966
>
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Friday, September 13, 2002 12:25 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> RX SENS
>
>
> I need a WIDER shot... pull back a little so I
> can
> see where the relay is. I have svc manual
> somewhere...
>
>
> bill
>
> --- "bill stevenson,ex Beaufighter tp 1964-1966"
> <sparks98.g4kki@...> wrote:
> > Hi Bill,
> > i have the ts530s back in it's case, so i
> > will take it out
> > again over the weekend. To get a closer shot i
> will
> > place it

> > (carefully !) on my scanner and scan it !
> >
> > My camera is just one of those cheap
> digital
> > ones that came out
> > over here and not really much good.
> > I can use the rig but it keeps going
> deaf,just
> > a quick flick of
> > the key now and again puts it back to normal.
> > 73's for now Bill
> >
> > de Bill G4KKI
> >
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> ATTACHMENT part 2 image/jpeg name=Pict0013.JPG

> ATTACHMENT part 3 image/jpeg name=Pict0003.JPG

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41. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-15 21:32:08 UTC
From: sparks98.g4kki
Topic: 26 Message: 41

Ok Bill,
yes that is the antenna relay,i thought that was the one which was at fault,with the rig appearing deaf
and then signals going back up to normal.
Where is the keying relay ? and could this also be the cause of the same symptoms ?
I will take the case off again tomorrow and read the part number on the relay case,been a bit busy today
fitting some furnishings in my Daughters bathroom.
My apologies to the group as i appear to have sent my last email twice for some reason.

best regards

Bill Stevenson
G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, September 14, 2002 6:16 PM
Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

OK that be the antenna relay, not the keying relay...
can you read the numbers on the cover for me?

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi Bill,
> here are 2 shots from further back,still out
> of focus i'm afraid. The relay is located inside the
> pa compartment. Bottom bit was covered by a small
> shield. Access to conections from inside the pa
> compartment,and removal of the cooling fan. Is this
> better ?
>
> best regards
>
> Bill Stevenson ex Beaufighter Troop jan 1964 -
> may 1966
>
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Friday, September 13, 2002 12:25 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT

> RX SENS
>
>
> I need a WIDER shot... pull back a little so I
> can
> see where the relay is. I have svc manual
> somewhere...
>
>
> bill
>
> --- "bill stevenson,ex Beaufighter tp 1964-1966"
> <sparks98.g4kki@...> wrote:
> > Hi Bill,
> > i have the ts530s back in it's case, so i
> > will take it out
> > again over the weekend. To get a closer shot i
> will
> > place it
> > (carefully !) on my scanner and scan it !
> >
> > My camera is just one of those cheap
> digital
> > ones that came out
> > over here and not really much good.
> > I can use the rig but it keeps going
> deaf,just
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> > the key now and again puts it back to normal.
> > 73's for now Bill
> >
> > de Bill G4KKI
> >
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42. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-16 16:03:51 UTC
From: Bill
Topic: 26 Message: 42

Yes the keying relay can also be at fault. It
switches the receive and transmit 8v around, just
check to make sure that those respective voltages are
behaving. I think that relay in on the "audio unit",
mounted under neath the chassis just under the RF
unit, no?

tapping on the relay may isolate the source of the
problem.

I have never had to replace the antenna relay in any
of these rigs, just the keying relay...

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Ok Bill,
> yes that is the antenna relay,i thought
> that was the one which was at fault,with the rig
> appearing deaf
> and then signals going back up to normal.
> Where is the keying relay ? and could
> this also be the cause of the same symptoms ?
> I will take the case off again tomorrow and read the
> part number on the relay case,been a bit busy today
> fitting some furnishings in my Daughters bathroom.
> My apologies to the group as i appear to
> have sent my last email twice for some reason.
>
> best regards
>
> Bill Stevenson
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, September 14, 2002 6:16 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> RX SENS
>
>
> OK that be the antenna relay, not the keying
> relay...
> can you read the numbers on the cover for me?
>

> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Hi Bill,
> > here are 2 shots from further back,still
> out
> > of focus i'm afraid. The relay is located inside
> the
> > pa compartment. Bottom bit was covered by a
> small
> > shield. Access to conections from inside the pa
> > compartment,and removal of the cooling fan. Is
> this
> > better ?
> >
> > best regards
> >
> > Bill Stevenson ex Beaufighter Troop jan 1964
> -
> > may 1966
> >
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Friday, September 13, 2002 12:25 PM
> > Subject: Re: [TS-520_820_530_830] Re:
> INTERMITTANT
> > RX SENS
> >
> >
> > I need a WIDER shot... pull back a little so
> I
> > can
> > see where the relay is. I have svc manual
> > somewhere...
> >
> >
> > bill
> >
> > --- "bill stevenson,ex Beaufighter tp
> 1964-1966"
> > <sparks98.g4kki@...> wrote:
> > > Hi Bill,
> > > i have the ts530s back in it's case,
> so i
> > > will take it out
> > > again over the weekend. To get a closer shot
> i

> > will
> > > place it
> > > (carefully !) on my scanner and scan it !
> > >
> > > My camera is just one of those cheap
> > digital
> > > ones that came out
> > > over here and not really much good.
> > > I can use the rig but it keeps going
> > deaf,just
> > > a quick flick of
> > > the key now and again puts it back to
> normal.
> > > 73's for now Bill
> > >
> > > de Bill G4KKI
> > >
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43. Re: [TS-520_820_530_830] Digest Number 15

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 00:13:05 UTC
From: Steve PYBUS
Topic: 43 Message: 43

Hi,
This is Steve, M3AOY, from the good old north east of England (Geordieland). I bought a TS820S in May but I'm frightened to use it 'cos I'm limited to 10W. I think its the DRIVE I've got to adjust but a) is it possible to run an '820 at 10W and b) is this the right control. I Have an external SWR & power meter. If not ,its great for listening..... I'm going for the full RAE anyway- so should I
-- Original Message -----
From: <TS-520_820_530_830@yahoogroups.com>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, September 16, 2002 9:33 PM
Subject: [TS-520_820_530_830] Digest Number 15

>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
>
> --
>
> There are 2 messages in this issue.
>
> Topics in this digest:
>
> 1. Re: Re: INTERMITTANT RX SENS
> From: "sparks98.g4kki" <sparks98.g4kki@...>
> 2. Re: Re: INTERMITTANT RX SENS
> From: Bill <coorsbill@...>
>
>
> ____
> ____
>
> Message: 1
> Date: Sun, 15 Sep 2002 22:32:08 +0100
> From: "sparks98.g4kki" <sparks98.g4kki@...>
> Subject: Re: Re: INTERMITTANT RX SENS
>
> Ok Bill,
> yes that is the antenna relay,i thought that was the one which was at fault,with the rig appearing deaf
> and then signals going back up to normal.
> Where is the keying relay ? and could this also be the cause of the same symptoms ?
> I will take the case off again tomorrow and read the part number on the

relay case,been a bit busy today
> fitting some furnishings in my Daughters bathroom.
> My apologies to the group as i appear to have sent my last email
twice for some reason.
>
> best regards
>
> Bill Stevenson
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, September 14, 2002 6:16 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS
>
>
> OK that be the antenna relay, not the keying relay...
> can you read the numbers on the cover for me?
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Hi Bill,
> > here are 2 shots from further back,still out
> > of focus i'm afraid. The relay is located inside the
> > pa compartment. Bottom bit was covered by a small
> > shield. Access to conections from inside the pa
> > compartment,and removal of the cooling fan. Is this
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> > best regards
> >
> > Bill Stevenson ex Beaufighter Troop jan 1964 -
> > may 1966
> >
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Friday, September 13, 2002 12:25 PM
> > Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> > RX SENS
> >
> >
> > I need a WIDER shot... pull back a little so I
> > can
> > see where the relay is. I have svc manual
> > somewhere...
> >

> >
> > bill
> >
> > --- "bill stevenson,ex Beaufighter tp 1964-1966"
> > <sparks98.g4kki@...> wrote:
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> > > ones that came out
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>
> [This message contained attachments]
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>
> Message: 2
> Date: Mon, 16 Sep 2002 09:03:51 -0700 (PDT)
> From: Bill <coorsbill@...>
> Subject: Re: Re: INTERMITTANT RX SENS
>
> Yes the keying relay can also be at fault. It
> switches the receive and transmit 8v around, just

> check to make sure that those respective voltages are
> behaving. I think that relay in on the "audio unit",
> mounted under neath the chassis just under the RF
> unit, no?
>
> tapping on the relay may isolate the source of the
> problem.
>
> I have never had to replace the antenna relay in any
> of these rigs, just the keying relay...
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Ok Bill,
> > yes that is the antenna relay,i thought
> > that was the one which was at fault,with the rig
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> > and then signals going back up to normal.
> > Where is the keying relay ? and could
> > this also be the cause of the same symptoms ?
> > I will take the case off again tomorrow and read the
> > part number on the relay case,been a bit busy today
> > fitting some furnishings in my Daughters bathroom.
> > My apologies to the group as i appear to
> > have sent my last email twice for some reason.
> >
> > best regards
> >
> > Bill Stevenson
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Saturday, September 14, 2002 6:16 PM
> > Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> > RX SENS
> >
> >
> > OK that be the antenna relay, not the keying
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> > can you read the numbers on the cover for me?
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> > --- "sparks98.g4kki" <sparks98.g4kki@...>
> > wrote:
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> > > Bill Stevenson ex Beaufighter Troop jan 1964
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> > > G4KKI. RSARS 1596 FISTS 7709
> > > ----- Original Message -----
> > > From: Bill
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Sent: Friday, September 13, 2002 12:25 PM
> > > Subject: Re: [TS-520_820_530_830] Re:
> > INTERMITTANT
> > > RX SENS
> > >
> > >
> > > I need a WIDER shot... pull back a little so
> > I
> > > can
> > > see where the relay is. I have svc manual
> > > somewhere...
> > >
> > >
> > > bill
> > >
> > > --- "bill stevenson,ex Beaufighter tp
> > 1964-1966"
> > > <sparks98.g4kki@...> wrote:
> > > > Hi Bill,
> > > > i have the ts530s back in it's case,
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> > > > again over the weekend. To get a closer shot
> > i
> > > will
> > > > place it
> > > > (carefully !) on my scanner and scan it !
> > > >
> > > > My camera is just one of those cheap
> > > digital

> > > > ones that came out
> > > > over here and not really much good.
> > > > I can use the rig but it keeps going
> > > deaf,just
> > > > a quick flick of
> > > > the key now and again puts it back to
> > normal.
> > > > 73's for now Bill
> > > >
> > > > de Bill G4KKI
> > > >
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> > to:
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> > > ATTACHMENT part 2 image/jpeg name=Pict0013.JPG
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44. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 06:54:07 UTC
From: sparks98.g4kki
Topic: 26 Message: 44

Bill,
last night i cleaned this other relay and now the 530 is back to how it used to be. Thanks for helping sort this out.Will email again later when i get chance to sit down for more than just a minute.
best regards

Bill Stevenson
G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, September 16, 2002 5:03 PM
Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yes the keying relay can also be at fault. It
switches the receive and transmit 8v around, just
check to make sure that those respective voltages are
behaving. I think that relay in on the "audio unit",
mounted under neath the chassis just under the RF
unit, no?

tapping on the relay may isolate the source of the
problem.

I have never had to replace the antenna relay in any
of these rigs, just the keying relay...

bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Ok Bill,
> yes that is the antenna relay,i thought
> that was the one which was at fault,with the rig
> appearing deaf
> and then signals going back up to normal.
> Where is the keying relay ? and could
> this also be the cause of the same symptoms ?
> I will take the case off again tomorrow and read the
> part number on the relay case,been a bit busy today
> fitting some furnishings in my Daughters bathroom.
> My apologies to the group as i appear to
> have sent my last email twice for some reason.
>
> best regards
>

> Bill Stevenson
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, September 14, 2002 6:16 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> RX SENS
>
>
> OK that be the antenna relay, not the keying
> relay...
> can you read the numbers on the cover for me?
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Hi Bill,
> > here are 2 shots from further back,still
> out
> > of focus i'm afraid. The relay is located inside
> the
> > pa compartment. Bottom bit was covered by a
> small
> > shield. Access to conections from inside the pa
> > compartment,and removal of the cooling fan. Is
> this
> > better ?
> >
> > best regards
> >
> > Bill Stevenson ex Beaufighter Troop jan 1964
> -
> > may 1966
> >
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Friday, September 13, 2002 12:25 PM
> > Subject: Re: [TS-520_820_530_830] Re:
> INTERMITTANT
> > RX SENS
> >
> >
> > I need a WIDER shot... pull back a little so
> I
> > can
> > see where the relay is. I have svc manual

> > somewhere...
> >
> >
> > bill
> >
> > --- "bill stevenson,ex Beaufighter tp
> 1964-1966"
> > <sparks98.g4kki@...> wrote:
> > > Hi Bill,
> > > i have the ts530s back in it's case,
> so i
> > > will take it out
> > > again over the weekend. To get a closer shot
> i
> > will
> > > place it
> > > (carefully !) on my scanner and scan it !
> > >
> > > My camera is just one of those cheap
> > digital
> > > ones that came out
> > > over here and not really much good.
> > > I can use the rig but it keeps going
> > deaf,just
> > > a quick flick of
> > > the key now and again puts it back to
> normal.
> > > 73's for now Bill
> > >
> > > de Bill G4KKI
> > >
> > >
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45. extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 11:21:49 UTC
From: ik1sow
Topic: 45 Message: 45

HI,
i'm Lino IK1SOW, from Ivrea in north west Italy.
I need mod. for extended rit/xit on ts830s , exist any mod.??

mni tks es 73.
Lino.

46. extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 11:22:51 UTC
From: ik1sow
Topic: 45 Message: 46

HI,
i'm Lino IK1SOW, from Ivrea in north west Italy.
I need mod. for extended rit/xit on ts830s , exist any mod.??

mni tks es 73.
Lino.

47. Re: [TS-520_820_530_830] Digest Number 15

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 12:31:35 UTC
From: Bill
Topic: 43 Message: 47

HI Steve,
If you are handy with electronic repair you can jury
rig the TS-820 to run low power.

There is a "SG" switch on the back which switches the
screens from a positive bias to a negative bias, to
shut the tubes down when you are using a transverter.

I have converted this switch to a QRP switch for guys
before. I will look up the changes and get back to
you in a day or two.
73!

Bill K0ZL

--- Steve PYBUS <grewgrass@...> wrote:
> Hi,
> This is Steve, M3AOY, from the good old north
> east of England
> (Geordieland). I bought a TS820S in May but I'm
> frightened to use it 'cos
> I'm limited to 10W. I think its the DRIVE I've got
> to adjust but a) is it
> possible to run an '820 at 10W and b) is this the
> right control. I Have an
> external SWR & power meter. If not ,its great for
> listening........ I'm
> going for the full RAE anyway- so should I
> -- Original Message -----
> From: <TS-520_820_530_830@yahoogroups.com>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, September 16, 2002 9:33 PM
> Subject: [TS-520_820_530_830] Digest Number 15
>
>
> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> >
> >
>

> >
> > There are 2 messages in this issue.
> >

> > Topics in this digest:
> >
> > 1. Re: Re: INTERMITTANT RX SENS
> > From: "sparks98.g4kki"
> <sparks98.g4kki@...>
> > 2. Re: Re: INTERMITTANT RX SENS
> > From: Bill <coorsbill@...>
> >
> >
> >
>

> >
>

> >
> > Message: 1
> > Date: Sun, 15 Sep 2002 22:32:08 +0100
> > From: "sparks98.g4kki"
> <sparks98.g4kki@...>
> > Subject: Re: Re: INTERMITTANT RX SENS
> >
> > Ok Bill,
> > yes that is the antenna relay,i
> thought that was the one which
> was at fault,with the rig appearing deaf
> > and then signals going back up to normal.
> > Where is the keying relay ? and could
> this also be the cause
> of the same symptoms ?
> > I will take the case off again tomorrow and read
> the part number on the
> relay case,been a bit busy today
> > fitting some furnishings in my Daughters bathroom.
> > My apologies to the group as i appear to
> have sent my last email
> twice for some reason.
> >
> > best regards
> >
> > Bill Stevenson
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Saturday, September 14, 2002 6:16 PM
> > Subject: Re: [TS-520_820_530_830] Re:
> INTERMITTANT RX SENS
> >
> >

> > OK that be the antenna relay, not the keying
> relay...
> > can you read the numbers on the cover for me?
> >
> > bill
> >
> > --- "sparks98.g4kki"
> <sparks98.g4kki@...>
> > wrote:
> > > Hi Bill,
> > > here are 2 shots from further
> back,still out
> > > of focus i'm afraid. The relay is located
> inside the
> > > pa compartment. Bottom bit was covered by a
> small
> > > shield. Access to conections from inside the
> pa
> > > compartment,and removal of the cooling fan. Is
> this
> > > better ?
> > >
> > > best regards
> > >
> > > Bill Stevenson ex Beaufighter Troop jan
> 1964 -
> > > may 1966
> > >
> > > G4KKI. RSARS 1596 FISTS 7709
> > > ----- Original Message -----
> > > From: Bill
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Sent: Friday, September 13, 2002 12:25 PM
> > > Subject: Re: [TS-520_820_530_830] Re:
> INTERMITTANT
> > > RX SENS
> > >
> > >
> > > I need a WIDER shot... pull back a little
> so I
> > > can
> > > see where the relay is. I have svc manual
> > > somewhere...
> > >
> > >
> > > bill
> > >
> > > --- "bill stevenson,ex Beaufighter tp
> 1964-1966"
> > > <sparks98.g4kki@...> wrote:

> > > > Hi Bill,
> > > > i have the ts530s back in it's
> case, so i
> > > > will take it out
> > > > again over the weekend. To get a closer
> shot i
> > > will
> > > > place it
> > > > (carefully !) on my scanner and scan it !
> > > >
> > > > My camera is just one of those cheap
> > > digital
> > > > ones that came out
> > > > over here and not really much good.
> > > > I can use the rig but it keeps going
> > > deaf,just
> > > > a quick flick of
> > > > the key now and again puts it back to
> normal.
> > > > 73's for now Bill
> > > >
> > > > de Bill G4KKI
> > > >
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48. Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-18 00:58:50 UTC
From: Bill
Topic: 26 Message: 48

GREAT, Bill, glad to hear it!

bill K0ZL

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Bill,
> last night i cleaned this other relay and now
> the 530 is back to how it used to be. Thanks for
> helping sort this out.Will email again later when i
> get chance to sit down for more than just a minute.
> best regards
>
> Bill Stevenson
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, September 16, 2002 5:03 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> RX SENS
>
>
> Yes the keying relay can also be at fault. It
> switches the receive and transmit 8v around, just
> check to make sure that those respective voltages
> are
> behaving. I think that relay in on the "audio
> unit",
> mounted under neath the chassis just under the RF
> unit, no?
>
> tapping on the relay may isolate the source of the
> problem.
>
> I have never had to replace the antenna relay in
> any
> of these rigs, just the keying relay...
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Ok Bill,
> > yes that is the antenna relay,i

> thought
> > that was the one which was at fault,with the rig
> > appearing deaf
> > and then signals going back up to normal.
> > Where is the keying relay ? and
> could
> > this also be the cause of the same symptoms ?
> > I will take the case off again tomorrow and read
> the
> > part number on the relay case,been a bit busy
> today
> > fitting some furnishings in my Daughters
> bathroom.
> > My apologies to the group as i appear to
> > have sent my last email twice for some reason.
> >
> > best regards
> >
> > Bill Stevenson
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Saturday, September 14, 2002 6:16 PM
> > Subject: Re: [TS-520_820_530_830] Re:
> INTERMITTANT
> > RX SENS
> >
> >
> > OK that be the antenna relay, not the keying
> > relay...
> > can you read the numbers on the cover for me?
> >
> > bill
> >
> > --- "sparks98.g4kki"
> <sparks98.g4kki@...>
> > wrote:
> > > Hi Bill,
> > > here are 2 shots from further
> back,still
> > out
> > > of focus i'm afraid. The relay is located
> inside
> > the
> > > pa compartment. Bottom bit was covered by a
> > small
> > > shield. Access to conections from inside the
> pa
> > > compartment,and removal of the cooling fan.

> Is
> > this
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> > > best regards
> > >
> > > Bill Stevenson ex Beaufighter Troop jan
> 1964
> > -
> > > may 1966
> > >
> > > G4KKI. RSARS 1596 FISTS 7709
> > > ----- Original Message -----
> > > From: Bill
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Sent: Friday, September 13, 2002 12:25 PM
> > > Subject: Re: [TS-520_820_530_830] Re:
> > INTERMITTANT
> > > RX SENS
> > >
> > >
> > > I need a WIDER shot... pull back a little
> so
> > I
> > > can
> > > see where the relay is. I have svc manual
> > > somewhere...
> > >
> > >
> > > bill
> > >
> > > --- "bill stevenson,ex Beaufighter tp
> > 1964-1966"
> > > <sparks98.g4kki@...> wrote:
> > > > Hi Bill,
> > > > i have the ts530s back in it's
> case,
> > so i
> > > > will take it out
> > > > again over the weekend. To get a closer
> shot
> > i
> > > will
> > > > place it
> > > > (carefully !) on my scanner and scan it
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> > > >
> > > > My camera is just one of those
> cheap
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> > > > ones that came out
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> > > > the key now and again puts it back to
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> > > > 73's for now Bill
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> > > > de Bill G4KKI
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> > see our website www.amateur-repairs.com
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49. Re: [TS-520_820_530_830] extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-18 01:11:46 UTC
From: Bill
Topic: 45 Message: 49

Hi Lino.

I am not aware of a mod for this.

Do you need more range on the RIT/XIT?

If so, can you find a VFO-830
--- ik1sow <parci@...> wrote:
> HI,
> i'm Lino IK1SOW, from Ivrea in north west Italy.
> I need mod. for extended rit/xit on ts830s , exist
> any mod.??
>
> mni tks es 73.
> Lino.
>
>
>

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50. ts530s manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-17 16:33:40 UTC
From: sparks98.g4kki
Topic: 50 Message: 50

Hi All,
i have scanned the TS530S instruction manual and converted it to a pdf file. It's just in black and white but i dare say i could re scan the pictures in grey scale. At the moment it's about 1.6 mb . If any one is interested in a copy just email me.

best regards

Bill Stevenson
G4KKI. RSARS 1596 FISTS 7709

51. Re: [TS-520_820_530_830] extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-18 23:21:15 UTC
From: vpoag
Topic: 45 Message: 51

Dear Bill,

First, let me thank you for accepting my sign up to learn more about these units.

From the posts I have read, it is clear you all know what you are doing.

Needless to say, I have one, a TS-820s that is having a problem.

I hope to learn how to fix it although I am not a technical person.

Again, thank you very much and I look forward to a new learning experience.

Victor Poag
Columbus, Ohio

52. Re: [TS-520_820_530_830] extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-19 00:15:55 UTC
From: Bill
Topic: 45 Message: 52

Hi Victor.

You are most welcome! Glad to have you aboard.

I try to greet each new member, but have been a little
extra busy these days at the brewery (Coors).

Just post your question and let's see if we can't
figure out what you need to do. It's surprising what
hams can do with a little guidance to get started.

73!

Bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> First, let me thank you for accepting my sign up to
> learn more about these units.
>
> From the posts I have read, it is clear you all
> know what you are doing.
>
>
> Needless to say, I have one, a TS-820s that is
> having a problem.
>
> I hope to learn how to fix it although I am not a
> technical person.
>
> Again, thank you very much and I look forward to a
> new learning experience.
>
> Victor Poag
> Columbus, Ohio
>
>
>

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http://news.yahoo.com

53. 820 Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-19 00:26:44 UTC
From: vpoag
Topic: 53 Message: 53

Bill, Thank you for the greeting and salutation.

I am trying to get back on the air after being absent for the last 37 years raising kids and family. My call is W4ONB and I am located in Columbus, Ohio.

I ran across a TS 820S and it worked one day and then it "popped" while trying to turn it on. I checked the fuse, but that is all I know to do. I did receive on it before the "pop."

There is no power, no lights, no nothing.

Any ideas would be appreciated. If not, it is off to the repair shop.

Thanks for any suggestions.

Victor

54. Re: [TS-520_820_530_830] Digest Number 15

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-18 21:52:46 UTC
From: sparks98.g4kki
Topic: 43 Message: 54

Steve,
you should be able to run the 820 at 10 watts, if on cw just adjust the carrier control to give 10 watts.
on ssb you need to adjust the mic gain, there may be another way by controlling the alc but not to sure how to go about it on the 820
maybe someone else in the group can tell you .

best regards

Bill Stevenson
Manchester.UK.
G4KKI. RSARS 1596 FISTS 7709
----- Original Message -----
From: Steve PYBUS
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, September 17, 2002 1:13 AM
Subject: Re: [TS-520_820_530_830] Digest Number 15

Hi,
This is Steve, M3AOY, from the good old north east of England
(Geordieland). I bought a TS820S in May but I'm frightened to use it 'cos
I'm limited to 10W. I think its the DRIVE I've got to adjust but a) is it
possible to run an '820 at 10W and b) is this the right control. I Have an
external SWR & power meter. If not ,its great for listening..... I'm
going for the full RAE anyway- so should I
-- Original Message -----
From: <TS-520_820_530_830@yahoogroups.com>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, September 16, 2002 9:33 PM
Subject: [TS-520_820_530_830] Digest Number 15

>
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>
>
> --
>
> There are 2 messages in this issue.
>
> Topics in this digest:
>
> 1. Re: Re: INTERMITTANT RX SENS
> From: "sparks98.g4kki" <sparks98.g4kki@...>
> 2. Re: Re: INTERMITTANT RX SENS
> From: Bill <coorsbill@...>

>
>
> --
> --
>
> Message: 1
> Date: Sun, 15 Sep 2002 22:32:08 +0100
> From: "sparks98.g4kki" <sparks98.g4kki@...>
> Subject: Re: Re: INTERMITTANT RX SENS
>
> Ok Bill,
> yes that is the antenna relay,i thought that was the one which
was at fault,with the rig appearing deaf
> and then signals going back up to normal.
> Where is the keying relay ? and could this also be the cause
of the same symptoms ?
> I will take the case off again tomorrow and read the part number on the
relay case,been a bit busy today
> fitting some furnishings in my Daughters bathroom.
> My apologies to the group as i appear to have sent my last email
twice for some reason.
>
> best regards
>
> Bill Stevenson
> G4KKI. RSARS 1596 FISTS 7709
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, September 14, 2002 6:16 PM
> Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT RX SENS
>
>
> OK that be the antenna relay, not the keying relay...
> can you read the numbers on the cover for me?
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@...>
> wrote:
> > Hi Bill,
> > here are 2 shots from further back,still out
> > of focus i'm afraid. The relay is located inside the
> > pa compartment. Bottom bit was covered by a small
> > shield. Access to conections from inside the pa
> > compartment,and removal of the cooling fan. Is this
> > better ?
> >
> > best regards
> >

> > Bill Stevenson ex Beaufighter Troop jan 1964 -
> > may 1966
> >
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----
> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Friday, September 13, 2002 12:25 PM
> > Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> > RX SENS
> >
> >
> > I need a WIDER shot... pull back a little so I
> > can
> > see where the relay is. I have svc manual
> > somewhere...
> >
> >
> > bill
> >
> > --- "bill stevenson,ex Beaufighter tp 1964-1966"
> > <sparks98.g4kki@...> wrote:
> > > Hi Bill,
> > > i have the ts530s back in it's case, so i
> > > will take it out
> > > again over the weekend. To get a closer shot i
> > will
> > > place it
> > > (carefully !) on my scanner and scan it !
> > >
> > > My camera is just one of those cheap
> > digital
> > > ones that came out
> > > over here and not really much good.
> > > I can use the rig but it keeps going
> > deaf,just
> > > a quick flick of
> > > the key now and again puts it back to normal.
> > > 73's for now Bill
> > >
> > > de Bill G4KKI
> > >
> > >
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> > =====
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>
> > ATTACHMENT part 2 image/jpeg name=Pict0013.JPG
>
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> > ATTACHMENT part 3 image/jpeg name=Pict0003.JPG
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>
>
>
> [This message contained attachments]
>
>
>
> ---
> ---
>
> Message: 2
> Date: Mon, 16 Sep 2002 09:03:51 -0700 (PDT)
> From: Bill <coorsbill@...>
> Subject: Re: Re: INTERMITTANT RX SENS
>
> Yes the keying relay can also be at fault. It
> switches the receive and transmit 8v around, just
> check to make sure that those respective voltages are
> behaving. I think that relay in on the "audio unit",
> mounted under neath the chassis just under the RF
> unit, no?
>
> tapping on the relay may isolate the source of the
> problem.
>
> I have never had to replace the antenna relay in any
> of these rigs, just the keying relay...
>
> bill
>
> --- "sparks98.g4kki" <sparks98.g4kki@ntlworld.com>
> wrote:
> > Ok Bill,
> > yes that is the antenna relay,i thought
> > that was the one which was at fault,with the rig
> > appearing deaf
> > and then signals going back up to normal.
> > Where is the keying relay ? and could
> > this also be the cause of the same symptoms ?
> > I will take the case off again tomorrow and read the
> > part number on the relay case,been a bit busy today
> > fitting some furnishings in my Daughters bathroom.
> > My apologies to the group as i appear to
> > have sent my last email twice for some reason.
> >
> > best regards
> >
> > Bill Stevenson
> > G4KKI. RSARS 1596 FISTS 7709
> > ----- Original Message -----

> > From: Bill
> > To: TS-520_820_530_830@yahoogroups.com
> > Sent: Saturday, September 14, 2002 6:16 PM
> > Subject: Re: [TS-520_820_530_830] Re: INTERMITTANT
> > RX SENS
> >
> >
> > OK that be the antenna relay, not the keying
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> > can you read the numbers on the cover for me?
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> > wrote:
> > > Hi Bill,
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> > the
> > > pa compartment. Bottom bit was covered by a
> > small
> > > shield. Access to conections from inside the pa
> > > compartment,and removal of the cooling fan. Is
> > this
> > > better ?
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> > > best regards
> > >
> > > Bill Stevenson ex Beaufighter Troop jan 1964
> > -
> > > may 1966
> > >
> > > G4KKI. RSARS 1596 FISTS 7709
> > > ----- Original Message -----
> > > From: Bill
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Sent: Friday, September 13, 2002 12:25 PM
> > > Subject: Re: [TS-520_820_530_830] Re:
> > INTERMITTANT
> > > RX SENS
> > >
> > >
> > > I need a WIDER shot... pull back a little so
> > I
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> > > see where the relay is. I have svc manual
> > > somewhere...
> > >
> > >

> > > bill
> > >
> > > --- "bill stevenson,ex Beaufighter tp
> > 1964-1966"
> > > <sparks98.g4kki@...> wrote:
> > > > Hi Bill,
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> > > > place it
> > > > (carefully !) on my scanner and scan it !
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> > > > My camera is just one of those cheap
> > > digital
> > > > ones that came out
> > > > over here and not really much good.
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> > > > a quick flick of
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> > > > de Bill G4KKI
> > > >
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> > > ATTACHMENT part 2 image/jpeg name=Pict0013.JPG
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> > > ATTACHMENT part 3 image/jpeg name=Pict0003.JPG
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55. Re: [TS-520_820_530_830] extended rit/xit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-19 08:25:59 UTC
From: G. Milligan
Topic: 45 Message: 55

Lino,

If memory serves my correctly, I think the RIT / XIT are controlled by separate 10K presets which vary the voltage to a varicap capacitor providing the frequency shift. VR5 tends to ring a bell for the RIT control. I will have to consult the drawings again.

Although I have never tried to alter this value it would be limited to the capacitance swing of the varicap.

I will consult the circuit diagrams and get back to you.

Greg Milligan

G1CPU / M3BBP

ik1sow wrote:
>
> HI,
> i'm Lino IK1SOW, from Ivrea in north west Italy.
> I need mod. for extended rit/xit on ts830s , exist any mod.??
>
> mni tks es 73.
> Lino.
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56. Re: [TS-520_820_530_830] 820 Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-19 18:18:16 UTC
From: Bill
Topic: 53 Message: 56

Victor,

If the line fuse is blown (don't fuse it over 5 or 6
amps, please!), take the covers off. Unplug rig, and
take cover off the pa compartment. Discharge the
plate voltage by shorting the plate suppressors
against ground. Remove the tubes, and make sure the
plate connectors are not touching anything.

Replace the line fuse and fire up the rig. If the
line fuse is OK, you have bad tubes... Get a
replacement pair then send me email and I will tell
you what to do next. If the line fuse blows with
tubes OUT, you have shorted hi-v caps. email me, i
will get you the kenwood part number for two new caps.

73!

bill

--- vpoag <vpoag@...> wrote:
> Bill, Thank you for the greeting and salutation.
>
> I am trying to get back on the air after being
> absent for the last 37 years raising kids and
> family. My call is W4ONB and I am located in
> Columbus, Ohio.
>
> I ran across a TS 820S and it worked one day and
> then it "popped" while trying to turn it on. I
> checked the fuse, but that is all I know to do. I
> did receive on it before the "pop."
>
> There is no power, no lights, no nothing.
>
> Any ideas would be appreciated. If not, it is off
> to the repair shop.
>
> Thanks for any suggestions.
>
> Victor
>
>
>

=====

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57. Re: [TS-520_820_530_830] 820 Question & Reply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-09-19 23:01:42 UTC
From: vpoag
Topic: 57 Message: 57

Bill,

You are amazing. I will try and get this done in the next several days. I am able to understand what you are talking about.

I will follow up with you soon. If I need stuff, you are first in line.

Give me a few days (work is in my way right now) and I will let you know the outcome.

Thanks A MILLION.

Victor

58. Re: [TS-520_820_530_830] 820 Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 17:28:05 UTC
From: vpoag
Topic: 53 Message: 58

Dear Bill,

First, forgive my delay in getting back to you and the group. Work is just toooo much anymore.

Here is where I am with the 820s. Per your instructions, i replaced the line fuse and removed the old tubes. The unit will now light up on the meter, but all else is dead. I am going to install some new tubes this afternoon and will seek your advice on what to do next.

I removed the big tubes. Isn't there one more in the unit and should it be replaced.

Thanks for all your help and assistance.

Victor
Columbus, Ohio

59. Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 19:25:06 UTC
From: vpoag
Topic: 59 Message: 59

Dear Bill,

This afternoon, I replaced all three tubes. Here is what I have. Light on the meter, fan runs, tubes glow and nothing else. No receive, no digitial display, etc.

I did notice that the huge transformer in the middle of the unit seems cold. It never warmed up.

I am at a loss. As you suggesste, could it be the high v caps?

Any help will be greatly appreciated.

Victor
Columbus

----- Original Message -----
From: vpoag
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, October 01, 2002 1:28 PM
Subject: Re: [TS-520_820_530_830] 820 Question

Dear Bill,

First, forgive my delay in getting back to you and the group. Work is just toooo much anymore.

Here is where I am with the 820s. Per your instructions, i replaced the line fuse and removed the old tubes. The unit will now light up on the meter, but all else is dead. I am going to install some new tubes this afternoon and will seek your advice on what to do next.

I removed the big tubes. Isn't there one more in the unit and should it be replaced.

Thanks for all your help and assistance.

Victor
Columbus, Ohio

60. Re: [TS-520_820_530_830] 820 Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 20:06:40 UTC
From: Bill
Topic: 53 Message: 60

OK I forgot where we are at... anyway, put the tubes
back in, put the PA cage cover on, and see if it blows
the line fuse (filaments OFF). If not, then turn the
filaments ON. If it blows the line fuse after a few
seconds or so, you have bad tubes, if not, either the
tubes are OK or the cathode resistors are open.

let me know

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> First, forgive my delay in getting back to you and
> the group. Work is just toooo much anymore.
>
> Here is where I am with the 820s. Per your
> instructions, i replaced the line fuse and removed
> the old tubes. The unit will now light up on the
> meter, but all else is dead. I am going to install
> some new tubes this afternoon and will seek your
> advice on what to do next.
>
> I removed the big tubes. Isn't there one more in
> the unit and should it be replaced.
>
> Thanks for all your help and assistance.
>
> Victor
> Columbus, Ohio
>
>

=====

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61. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 20:08:51 UTC
From: Bill
Topic: 59 Message: 61

OK Victor, now check that the aux VFO dummy plug is in
the back of the rig. This small plug is needed if you
do not have the VFO-820. All it does is jumper pins 8
and 9 of the 9-pin socket in the back of the rig.

If you don't have the plug, unplug the rig and solder
a jumper between pins 8 and 9 on that remote jack,
from inside the rig. See if that doesn't wake things
up.

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> This afternoon, I replaced all three tubes. Here is
> what I have. Light on the meter, fan runs, tubes
> glow and nothing else. No receive, no digitial
> display, etc.
>
> I did notice that the huge transformer in the middle
> of the unit seems cold. It never warmed up.
>
> I am at a loss. As you suggesste, could it be the
> high v caps?
>
> Any help will be greatly appreciated.
>
> Victor
> Columbus
>
>
> ----- Original Message -----
> From: vpoag
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Tuesday, October 01, 2002 1:28 PM
> Subject: Re: [TS-520_820_530_830] 820 Question
>
>
>
> Dear Bill,
>
> First, forgive my delay in getting back to you and
> the group. Work is just toooo much anymore.
>
> Here is where I am with the 820s. Per your
> instructions, i replaced the line fuse and removed

> the old tubes. The unit will now light up on the
> meter, but all else is dead. I am going to install
> some new tubes this afternoon and will seek your
> advice on what to do next.
>
> I removed the big tubes. Isn't there one more in
> the unit and should it be replaced.
>
> Thanks for all your help and assistance.
>
> Victor
> Columbus, Ohio
>
>

=====

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62. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 20:24:06 UTC
From: vpoag
Topic: 59 Message: 62

Dear Bill,

The vfo plug is installed. That was one of the first things I thought of.

There is no movement on the meter with antenna plugged in.

There is no meter movement in tune or receive.

Could it be the high voltage caps?

Victor
Columbus

63. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-01 23:04:37 UTC
From: Bill
Topic: 59 Message: 63

No, bad HV caps blow fuses. You have a low voltage
problem, I suspect.

All bands are dead, I suspect.

Find the 12v DC supply in the rig and check that
first.

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> The vfo plug is installed. That was one of the
> first things I thought of.
>
> There is no movement on the meter with antenna
> plugged in.
>
> There is no meter movement in tune or receive.
>
> Could it be the high voltage caps?
>
> Victor
> Columbus
>

=====

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64. New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-02 06:14:28 UTC
From: waynem3612
Topic: 64 Message: 64

Hi all,

Just joined this group and wanted to say hi. I am not a ham, but, with any luck, will be by this time next week. I am taking the Tech, General, and code tests this weekend. Code study is going okay, book material is pretty straight-forward, should be okay.

In prowling through ebay, I am very attracted to any of these series of radios, although the 530 and 830 appeal to me the most. Don't know exactly why, just love knobs I guess. Looking for some advice on fair price. What would you suggest for either of these units? We have a swap meet coming up at the end of October, any hints for picking up a good radio at one of these?

Look forward to your answers,
- Wayne

65. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-02 14:36:27 UTC
From: Bill
Topic: 64 Message: 65

Wayne, good luck on the test.

The 530 and 830 will both give you good service. The
830 has better IF system, and allows for dual filters
I believe. This is a plus if you are planning on a
lot of CW operation during contests and DX'ing.

530's are going for around $500 and 830's around 600,
for good cosmetic condition rigs, NON-SMOKER rigs.
Don't EVEN buy a smoker's rig. Too much maint to get
them up to snuff.

Watch for a rig that has bandswitch problems. These
are caused by a broken coupling on the bandswitch
shaft, going into the PA cage. They are easily fixed,
and will often result in 100-150 reduction in price.

Make sure you get the little aux VFO dummy plug that
goes in the back; otherwise the VFO won't work (again,
easily fixed).

73 and good luck!

bill K0ZL

--- waynem3612 <waynelynn.moore@...> wrote:
> Hi all,
>
> Just joined this group and wanted to say hi. I am
> not a ham, but,
> with any luck, will be by this time next week. I am
> taking the Tech,
> General, and code tests this weekend. Code study is
> going okay, book
> material is pretty straight-forward, should be okay.
>
> In prowling through ebay, I am very attracted to any
> of these series
> of radios, although the 530 and 830 appeal to me the
> most. Don't know
> exactly why, just love knobs I guess. Looking for
> some advice on fair
> price. What would you suggest for either of these
> units? We have a
> swap meet coming up at the end of October, any hints
> for picking up a
> good radio at one of these?

>
> Look forward to your answers,
> - Wayne
>
>

=====

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66. TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-04 05:05:49 UTC
From: ab8pk
Topic: 66 Message: 66

Hi everyone,
I have a TS-820 and was wondering if anyone had experienced a couple of problems that I have been having!
I have three questions actually. First, I noticed that the drive setting on 20 and 40 meters is different between TX and RX. I suspect that this is a alignment issue just on these two bands. Second, I don't think the s meter is indicating right on receive. I have never seen a signal better than s-9. This may not be a problem but just my inexperience with this rig, it's just that I feel like it is wrong because of close station signal rst's. Third, the RIT function does not always center correctly. Some of the time with the RIT knob centered when activated I get about a 2.5kc change in freq. Other times there is little or no deviation from VFO freq. This is frustrating when scanning the bands as I never know when the RIT is going to be centered when I'm zeroing in on a potential contact.
I'm a new Ham so some of this could be me! Any assistance will be greatly appreciated.

73 de,
Mike, AB8PK

67. Re: [TS-520_820_530_830] TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-04 13:18:14 UTC
From: Bill
Topic: 66 Message: 67

Mike, you just need a good alignment that's all! Get
copy of the service manual and we will walk you
through it.

bill

--- ab8pk <mlewallen@...> wrote:
> Hi everyone,
> I have a TS-820 and was wondering if anyone had
> experienced a couple
> of problems that I have been having!
> I have three questions actually. First, I noticed
> that the drive
> setting on 20 and 40 meters is different between TX
> and RX. I suspect
> that this is a alignment issue just on these two
> bands. Second, I
> don't think the s meter is indicating right on
> receive. I have never
> seen a signal better than s-9. This may not be a
> problem but just my
> inexperience with this rig, it's just that I feel
> like it is wrong
> because of close station signal rst's. Third, the
> RIT function does
> not always center correctly. Some of the time with
> the RIT knob
> centered when activated I get about a 2.5kc change
> in freq. Other
> times there is little or no deviation from VFO freq.
> This is
> frustrating when scanning the bands as I never know
> when the RIT is
> going to be centered when I'm zeroing in on a
> potential contact.
> I'm a new Ham so some of this could be me! Any
> assistance will be
> greatly appreciated.
>
> 73 de,
> Mike, AB8PK
>
>

=====

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68. TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-05 02:31:35 UTC
From: ab8pk
Topic: 66 Message: 68

Hi Bill,
Tks for the prompt reply! I already have a manual and I am familiarizing myself with the alignment procedure. I have never done a radio alignment per se but I have worked with electronics most of my life. I believe I can handle it with your guidance. My only experience with radio alignment has been with a heathkit HW101 that I am currently restoring. I guess the most important thing is patients and following directions. I know with the HW101 most of the adjustments I have made have had an effect on other adjustments. It seems to me like using a ant tuner. You have to make an adjustment check it and maybe adjust something else. You guidence will be much appreciated. The HW101 is my project be at the moment. The TS820 is my workhorse. I would prefer that this rig was not down for very long! Tks again for the reply. I look forward to hearing from you again!

Tks Bill,
de Mike AB8PK

69. Re: [TS-520_820_530_830] TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-05 17:06:04 UTC
From: Bill
Topic: 66 Message: 69

OK here is your first step with the 820:

ALIGNEMENT OF COIL PACK (RF UNIT).

hook radio to dummy load (no, not the CB operator next door)

Using the CAL, peak the receiver on 10M, around 28.6, by adjusting the preselector or drive tune

Using a plastic tool that is shaped just right (you will have to carve one unless you are lucky and have the orange tool that Comspec ships with their CTCSS boards), carefully peak the 10M ant and driver grid coil (1st row, and 2nd row back).

Put radio in TUNE mode, filaments on, and tx just enough cariier to get some plate current. Dip if you want to, not really necessary. 100-125 ma. Using a LARGER plastic tool that you have also carved specially for the 820, peak the PA plate current with the driver plate coil (toward rear of rig, in front of the pa cage).

Do this on all bands and your peak on tx and rx will be the same.

While you are at it, removed the fan in the back and lube it. there are two small holes, one in each bearing cup, inject a couple drops of 10W oil (any pen oiler is good). If you see a lot of dirt in the PA cage, blow it out with compressed air.

bill

--- ab8pk <mlewallen@...> wrote:
> Hi Bill,
> Tks for the prompt reply! I already have a manual
> and I am
> familiarizing myself with the alignment procedure. I
> have never done
> a radio alignment per se but I have worked with
> electronics most of
> my life. I believe I can handle it with your
> guidance. My only
> experience with radio alignment has been with a
> heathkit HW101 that I

> am currently restoring. I guess the most important
> thing is patients
> and following directions. I know with the HW101 most
> of the
> adjustments I have made have had an effect on other
> adjustments. It
> seems to me like using a ant tuner. You have to make
> an adjustment
> check it and maybe adjust something else. You
> guidence will be much
> appreciated. The HW101 is my project be at the
> moment. The TS820 is
> my workhorse. I would prefer that this rig was not
> down for very
> long! Tks again for the reply. I look forward to
> hearing from you
> again!
>
> Tks Bill,
> de Mike AB8PK
>
>

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70. Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 04:29:39 UTC
From: ab8pk
Topic: 70 Message: 70

Bill,
I want to thank you for your help! I just finished a complete alignment on my rig tonight and wow what a difference a little tweeking makes. I enjoyed using this rig before, now it is just that much more enjoyable! The only thing I am unsure of is the s-meter sensitivity adjustment. I have an old Heath Sig gen but it happens to be in storage at the moment. Even if I had it here I would have no idea how to adust it for precise 40 db signal to set meter to s-9. How do you set up the s-meter in your rig? As I mentioned in my first post, I didn't think the s-meter was sensitive enouph and I thought it read low. I went ahead and adjusted the sensitivity using the marker gen as a signal and now I think it is too sensitive. Maybe you have a sugestion. Any ideas would be appreciated.

Tks de,
Mike AB8PK

71. Opps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 04:38:58 UTC
From: ab8pk
Topic: 71 Message: 71

Sorry Bill, I forgot I had another ? that I wanted to ask in my last post! It is simply this;is the s-meter in the 820 not supposed to function with the agc switch in the off position? Mine doesn't so I thought I would ask!

Tks again,
de Mike AB9PK

72. Re: [TS-520_820_530_830] Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 18:05:40 UTC
From: Bill
Topic: 70 Message: 72

Set the "s" meter zero first. Put it on a ten meter
antenna, no signal, and crank the zero until the meter
just starts to move off "0".

Then, set your s9 level, so that it "looks about
right". Most 100w stations on 20M should be giving
you s7-s9 action. 10m would be around s2-s3 if the
band is open, and on 40 and 80m at night, nothing
should read under s9!!!

Just set it to be s9 on a "fairly strong signal" on
20M that pretty much doesn't allow much noise through,
and you will be about right.

bill

--- ab8pk <mlewallen@...> wrote:
> Bill,
> I want to thank you for your help! I just finished a
> complete
> alignment on my rig tonight and wow what a
> difference a little
> tweeking makes. I enjoyed using this rig before, now
> it is just that
> much more enjoyable! The only thing I am unsure of
> is the s-meter
> sensitivity adjustment. I have an old Heath Sig gen
> but it happens to
> be in storage at the moment. Even if I had it here I
> would have no
> idea how to adust it for precise 40 db signal to set
> meter to s-9.
> How do you set up the s-meter in your rig? As I
> mentioned in my first
> post, I didn't think the s-meter was sensitive
> enouph and I thought
> it read low. I went ahead and adjusted the
> sensitivity using the
> marker gen as a signal and now I think it is too
> sensitive. Maybe you
> have a sugestion. Any ideas would be appreciated.
>
> Tks de,
> Mike AB8PK
>
>

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73. Re: [TS-520_820_530_830] Opps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 18:06:12 UTC
From: Bill
Topic: 71 Message: 73

That's right, with AGC off, meter should be zero as it
is your AGC voltmeter.

bill

--- ab8pk <mlewallen@...> wrote:
> Sorry Bill, I forgot I had another ? that I wanted
> to ask in my last
> post! It is simply this;is the s-meter in the 820
> not supposed to
> function with the agc switch in the off position?
> Mine doesn't so I
> thought I would ask!
>
> Tks again,
> de Mike AB9PK
>
>

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74. TS-530 WARC Bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 18:38:25 UTC
From: w5mhl
Topic: 74 Message: 74

I just purchased a TS-530 without manuals. I know there is a simple change to allow transmitting on the WARC bands.

Can anyone give me that info?

Thanks,

Jim, w5mhl

75. Re: [TS-520_820_530_830] TS-530 WARC Bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 20:20:20 UTC
From: Bill
Topic: 74 Message: 75

Remove top cover, locate front of RF unit pc board.

Look for a black jumper wire "J2", which comes from
the junction of D4, D5, and D6. Cut the wire, and
tape or heat-shrink both ends.

Should not need alignement, but if so, peak the marked
coils on the front and middle set for each band, on
receive, with the preselector placed in the middle of
each band segment, then in dummy load and tune mode,
turn carrier just high enough to get ALC indication
and then peak the proper coil toward the rear of the
RF unit near the PA enclosure. Note, these
adjustments will take two different tools, hand make
them if you need to with exacto knife and hard plastic
alignment tool.

bill
--- w5mhl <w5mhl@...> wrote:
> I just purchased a TS-530 without manuals. I know
> there is a simple
> change to allow transmitting on the WARC bands.
>
> Can anyone give me that info?
>
> Thanks,
>
> Jim, w5mhl
>
>
>

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76. Re: [TS-520_820_530_830] TS-530 WARC Bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-09 21:12:33 UTC
From: JIm Wilson
Topic: 74 Message: 76
Attachments: 3 described; binary payloads are missing from this source WARC

Thank you!

Lotsa black wires there!

Jim

At 01:20 PM 10/9/2002, you wrote:

>Remove top cover, locate front of RF unit pc board.
>
>Look for a black jumper wire "J2", which comes from
>the junction of D4, D5, and D6. Cut the wire, and
>tape or heat-shrink both ends.
>
>Should not need alignement, but if so, peak the marked
>coils on the front and middle set for each band, on
>receive, with the preselector placed in the middle of
>each band segment, then in dummy load and tune mode,
>turn carrier just high enough to get ALC indication
>and then peak the proper coil toward the rear of the
>RF unit near the PA enclosure. Note, these
>adjustments will take two different tools, hand make
>them if you need to with exacto knife and hard plastic
>alignment tool.
>
>bill
>--- w5mhl <w5mhl@...> wrote:
> > I just purchased a TS-530 without manuals. I know
> > there is a simple
> > change to allow transmitting on the WARC bands.
> >
> > Can anyone give me that info?
> >
> > Thanks,
> >
> > Jim, w5mhl
> >
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>Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

77. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 00:04:36 UTC
From: vpoag
Topic: 59 Message: 77

Dear Bill and Members of the Group,

Well, it sure has been active lately on 820s and 530s. Great.

Let me update on the problem with the 820s.

Problem.

No rx, Tx, no meter movement, no digital, no noise, no sound.
I do have a meter light and that is it.

Fuse--OK
HV Caps--OK
Changed Tubes--OK

Checked low voltage supply--OK

It has been suggested that the relay that takes the signal is bad. Also, across the internet, there was an indication the above stated problem could be the Zener Diode on the same board as the relay.

Any suggestions from Bill or the group will be appreciated so I may move the restore project ahead.

Thank again.

Victor Poag
Columbus, OHio

78. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 00:57:41 UTC
From: JIm Wilson
Topic: 64 Message: 78
Attachments: 2 described; binary payloads are missing from this source WARC

Just found one of those broken bandswitches on an 830 which I recently bought. I guess it was ready to go!

Hope you are right about the ease of the fix. Looks like part of the flex coupling has broken so what is your easy fix? Are parts available or is it a matter of finding a substitute?

Thanks for any information.

Jim

At 07:36 AM 10/2/2002, you wrote:
><snip>
>
>Watch for a rig that has bandswitch problems. These
>are caused by a broken coupling on the bandswitch
>shaft, going into the PA cage. They are easily fixed,
>and will often result in 100-150 reduction in price.
>
>Make sure you get the little aux VFO dummy plug that
>goes in the back; otherwise the VFO won't work (again,
>easily fixed).
>
>73 and good luck!
>
>bill K0ZL
>
>
>--- waynem3612 <waynelynn.moore@...> wrote:
> > Hi all,
> >
> > Just joined this group and wanted to say hi. I am
> > not a ham, but,
> > with any luck, will be by this time next week. I am
> > taking the Tech,
> > General, and code tests this weekend. Code study is
> > going okay, book
> > material is pretty straight-forward, should be okay.
> >
> > In prowling through ebay, I am very attracted to any
> > of these series
> > of radios, although the 530 and 830 appeal to me the
> > most. Don't know
> > exactly why, just love knobs I guess. Looking for
> > some advice on fair

> > price. What would you suggest for either of these
> > units? We have a
> > swap meet coming up at the end of October, any hints
> > for picking up a
> > good radio at one of these?
> >
> > Look forward to your answers,
> > - Wayne
> >
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>Version: 6.0.393 / Virus Database: 223 - Release Date: 9/30/2002

79. Re: [TS-520_820_530_830] TS-530 WARC Bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 12:47:11 UTC
From: Bill
Topic: 74 Message: 79

D4, D5 D6
--- JIm Wilson <w5mhl@...> wrote:
> Thank you!
>
> Lotsa black wires there!
>
> Jim
>
> At 01:20 PM 10/9/2002, you wrote:
>
> >Remove top cover, locate front of RF unit pc board.
> >
> >Look for a black jumper wire "J2", which comes from
> >the junction of D4, D5, and D6. Cut the wire, and
> >tape or heat-shrink both ends.
> >
> >Should not need alignement, but if so, peak the
> marked
> >coils on the front and middle set for each band, on
> >receive, with the preselector placed in the middle
> of
> >each band segment, then in dummy load and tune
> mode,
> >turn carrier just high enough to get ALC indication
> >and then peak the proper coil toward the rear of
> the
> >RF unit near the PA enclosure. Note, these
> >adjustments will take two different tools, hand
> make
> >them if you need to with exacto knife and hard
> plastic
> >alignment tool.
> >
> >bill
> >--- w5mhl <w5mhl@...> wrote:
> > > I just purchased a TS-530 without manuals. I
> know
> > > there is a simple
> > > change to allow transmitting on the WARC bands.
> > >
> > > Can anyone give me that info?
> > >
> > > Thanks,
> > >
> > > Jim, w5mhl

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7/R=0/*http://geocities.yahoo.com/ps/info?.refer=blrecs>697fd08.jpg
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212804.2460941.3878106.2225242/D=egroupweb/S=1705063108:HM/A=810327/R=1/*http://geocities.
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80. Re: [TS-520_820_530_830] TS-530 WARC Bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 12:48:42 UTC
From: Bill
Topic: 74 Message: 80

D4 D5 D6 are all connected by their cathodes to the land that also has the black wire on it. Imagine the diodes all pointed to the wire. You can also cut each diode to enable each warc band but that is somewhat more difficult.

Definitely be looking for a service manual on ebay.

bill

--- JIm Wilson <w5mhl@...> wrote:
> Thank you!
>
> Lotsa black wires there!
>
> Jim
>
> At 01:20 PM 10/9/2002, you wrote:
>
> >Remove top cover, locate front of RF unit pc board.
> >
> >Look for a black jumper wire "J2", which comes from
> >the junction of D4, D5, and D6. Cut the wire, and
> >tape or heat-shrink both ends.
> >
> >Should not need alignement, but if so, peak the
> marked
> >coils on the front and middle set for each band, on
> >receive, with the preselector placed in the middle
> of
> >each band segment, then in dummy load and tune
> mode,
> >turn carrier just high enough to get ALC indication
> >and then peak the proper coil toward the rear of
> the
> >RF unit near the PA enclosure. Note, these
> >adjustments will take two different tools, hand
> make
> >them if you need to with exacto knife and hard
> plastic
> >alignment tool.
> >
> >bill
> >--- w5mhl <w5mhl@...> wrote:
> > > I just purchased a TS-530 without manuals. I
> know

> > > there is a simple
> > > change to allow transmitting on the WARC bands.
> > >
> > > Can anyone give me that info?
> > >
> > > Thanks,
> > >
> > > Jim, w5mhl
> > >
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7/R=0/*http://geocities.yahoo.com/ps/info?.refer=blrecs>697fd08.jpg
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><http://rd.yahoo.com/M=212804.2460941.3878106.2225242/D=egroupweb/S=1705063108:HM/A=81032
7/R=1/*http://geocities.yahoo.com/ps/info?.refer=blrecs>697fe3f.jpg<http://rd.yahoo.com/M=
212804.2460941.3878106.2225242/D=egroupweb/S=1705063108:HM/A=810327/R=1/*http://geocities.
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81. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 12:50:13 UTC
From: Bill
Topic: 59 Message: 81

Check the VCO test point on each band.

Do you have service manual?

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill and Members of the Group,
>
> Well, it sure has been active lately on 820s and
> 530s. Great.
>
> Let me update on the problem with the 820s.
>
> Problem.
>
> No rx, Tx, no meter movement, no digital, no noise,
> no sound.
> I do have a meter light and that is it.
>
> Fuse--OK
> HV Caps--OK
> Changed Tubes--OK
>
> Checked low voltage supply--OK
>
> It has been suggested that the relay that takes the
> signal is bad. Also, across the internet, there was
> an indication the above stated problem could be the
> Zener Diode on the same board as the relay.
>
> Any suggestions from Bill or the group will be
> appreciated so I may move the restore project ahead.
>
> Thank again.
>
> Victor Poag
> Columbus, OHio
>
>

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82. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 12:53:47 UTC
From: Bill
Topic: 64 Message: 82

These couplings should be available from Kenwood,

D22-0402-05

loosen coupling, pull band switch shaft out a little
from the front panel, work the old coupling out, put
new one in. make sure you use metric hex wrench, I
think it's 1.5mm?

bill

--- JIm Wilson <w5mhl@...> wrote:
> Just found one of those broken bandswitches on an
> 830 which I recently
> bought. I guess it was ready to go!
>
> Hope you are right about the ease of the fix. Looks
> like part of the flex
> coupling has broken so what is your easy fix? Are
> parts available or is it
> a matter of finding a substitute?
>
> Thanks for any information.
>
> Jim
>
>
>
>
> At 07:36 AM 10/2/2002, you wrote:
> ><snip>
> >
> >Watch for a rig that has bandswitch problems.
> These
> >are caused by a broken coupling on the bandswitch
> >shaft, going into the PA cage. They are easily
> fixed,
> >and will often result in 100-150 reduction in
> price.
> >
> >Make sure you get the little aux VFO dummy plug
> that
> >goes in the back; otherwise the VFO won't work
> (again,
> >easily fixed).
> >

> >73 and good luck!
> >
> >bill K0ZL
> >
> >
> >--- waynem3612 <waynelynn.moore@...> wrote:
> > > Hi all,
> > >
> > > Just joined this group and wanted to say hi. I
> am
> > > not a ham, but,
> > > with any luck, will be by this time next week. I
> am
> > > taking the Tech,
> > > General, and code tests this weekend. Code study
> is
> > > going okay, book
> > > material is pretty straight-forward, should be
> okay.
> > >
> > > In prowling through ebay, I am very attracted to
> any
> > > of these series
> > > of radios, although the 530 and 830 appeal to me
> the
> > > most. Don't know
> > > exactly why, just love knobs I guess. Looking
> for
> > > some advice on fair
> > > price. What would you suggest for either of
> these
> > > units? We have a
> > > swap meet coming up at the end of October, any
> hints
> > > for picking up a
> > > good radio at one of these?
> > >
> > > Look forward to your answers,
> > > - Wayne
> > >
> > >
> >
> >
> >=====
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> (http://www.grisoft.com).
> >Version: 6.0.393 / Virus Database: 223 - Release
> Date: 9/30/2002
>

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83. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 13:07:39 UTC
From: vpoag
Topic: 59 Message: 83

Dear Bill,

Yes, I do have a service manual for the 820s. the manual says to check the voltage at the test point on tp4, i believe.

Would this be correct.

Thanks.

Victor Poag

84. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-10 19:56:57 UTC
From: JIm Wilson
Topic: 64 Message: 84
Attachments: 3 described; binary payloads are missing from this source WARC

Thanks Bill,

You are a veritable fount of knowledge.

Jim

At 05:53 AM 10/10/2002, you wrote:

>These couplings should be available from Kenwood,
>
>D22-0402-05
>
>loosen coupling, pull band switch shaft out a little
>from the front panel, work the old coupling out, put
>new one in. make sure you use metric hex wrench, I
>think it's 1.5mm?
>
>bill
>
>--- JIm Wilson <w5mhl@...> wrote:
> > Just found one of those broken bandswitches on an
> > 830 which I recently
> > bought. I guess it was ready to go!
> >
> > Hope you are right about the ease of the fix. Looks
> > like part of the flex
> > coupling has broken so what is your easy fix? Are
> > parts available or is it
> > a matter of finding a substitute?
> >
> > Thanks for any information.
> >
> > Jim
> >
> >
> >
> >
> > At 07:36 AM 10/2/2002, you wrote:
> > ><snip>
> > >
> > >Watch for a rig that has bandswitch problems.
> > These
> > >are caused by a broken coupling on the bandswitch
> > >shaft, going into the PA cage. They are easily
> > fixed,

> > >and will often result in 100-150 reduction in
> > price.
> > >
> > >Make sure you get the little aux VFO dummy plug
> > that
> > >goes in the back; otherwise the VFO won't work
> > (again,
> > >easily fixed).
> > >
> > >73 and good luck!
> > >
> > >bill K0ZL
> > >
> > >
> > >--- waynem3612 <waynelynn.moore@...> wrote:
> > > > Hi all,
> > > >
> > > > Just joined this group and wanted to say hi. I
> > am
> > > > not a ham, but,
> > > > with any luck, will be by this time next week. I
> > am
> > > > taking the Tech,
> > > > General, and code tests this weekend. Code study
> > is
> > > > going okay, book
> > > > material is pretty straight-forward, should be
> > okay.
> > > >
> > > > In prowling through ebay, I am very attracted to
> > any
> > > > of these series
> > > > of radios, although the 530 and 830 appeal to me
> > the
> > > > most. Don't know
> > > > exactly why, just love knobs I guess. Looking
> > for
> > > > some advice on fair
> > > > price. What would you suggest for either of
> > these
> > > > units? We have a
> > > > swap meet coming up at the end of October, any
> > hints
> > > > for picking up a
> > > > good radio at one of these?
> > > >
> > > > Look forward to your answers,
> > > > - Wayne
> > > >
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> > Service.
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> > >Incoming mail is certified Virus Free.
> > >Checked by AVG anti-virus system
> > (<http://www.grisoft.com).>http://www.grisoft.com).
> > >Version: 6.0.393 / Virus Database: 223 - Release
> > Date: 9/30/2002
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>---
>Incoming mail is certified Virus Free.
>Checked by AVG anti-virus system (http://www.grisoft.com).
>Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

85. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-12 17:00:58 UTC
From: Bill
Topic: 59 Message: 85

I think so, if that is on the VCO unit (bottom of
rig).

Set the VFO per the manual on each band and check for
the proper voltage. That will tell us if the VFO and
the VCO/PLL stuff is working.

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> Yes, I do have a service manual for the 820s. the
> manual says to check the voltage at the test point
> on tp4, i believe.
>
> Would this be correct.
>
> Thanks.
>
> Victor Poag
>
>

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86. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-15 00:54:59 UTC
From: vpoag
Topic: 59 Message: 86

Dear Bill,

Well, I tried checking the voltage on the vco unit and I keep getting a negative .018 instead of 3.2 v. It is the same on any band I switch in.

I am slowly getting in over my head. Does the negative voltage indicate a power supply problem or a signal problem?

Lost inside a ts 820.

Vic

87. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-15 12:41:45 UTC
From: Bill
Topic: 59 Message: 87

It just indicates that your VCO is dead, could be the
regulated power supply, I think it's 8 volts? Locate
the regulator circuit, I think it's on the AF unit.

bill

--- vpoag <vpoag@...> wrote:
> Dear Bill,
>
> Well, I tried checking the voltage on the vco unit
> and I keep getting a negative .018 instead of 3.2 v.
> It is the same on any band I switch in.
>
> I am slowly getting in over my head. Does the
> negative voltage indicate a power supply problem or
> a signal problem?
>
> Lost inside a ts 820.
>
> Vic
>
>

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88. Gold label?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-17 16:53:38 UTC
From: waynem3612
Topic: 88 Message: 88

Hi all,

What is the significance of some 830s having a "gold label"? I see this in occasional ads on ebay. Makes it sound like some kind of a special model, but what makes it special? (besides having a gold label, that is ;).

Thanks!
- Wayne

89. Re: [TS-520_820_530_830] Gold label?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-17 17:01:15 UTC
From: Bill
Topic: 88 Message: 89

Wayne, sounds like a marketing gimmick, but may denote
special filters or something... Anyone else care to
edify us?

bill K0ZL

--- waynem3612 <waynelynn.moore@...> wrote:
> Hi all,
>
> What is the significance of some 830s having a "gold
> label"? I see
> this in occasional ads on ebay. Makes it sound like
> some kind of a
> special model, but what makes it special? (besides
> having a gold
> label, that is ;).
>
> Thanks!
> - Wayne
>
>

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90. TS-530S Noise Blanker and VOX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-17 19:49:49 UTC
From: fiberkey
Topic: 90 Message: 90

I have a TS-530S that is perfect except for a non-operable noise blanker and VOX. Do they share a common circuit element? Does anyone have experience with these two circuits?

Thanks

91. Re: [TS-520_820_530_830] TS-530S Noise Blanker and VOX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-17 21:08:58 UTC
From: Bill
Topic: 90 Message: 91

I scanned the alignement instr for the nb on the 830
(should be same as 530).

check TP6 or conn 9 pin 3 on the AF unit for 9.0 vdc.

73!

Bill

--- fiberkey <im@...> wrote:
> I have a TS-530S that is perfect except for a
> non-operable noise
> blanker and VOX. Do they share a common circuit
> element? Does anyone
> have experience with these two circuits?
>
> Thanks
>
>

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92. RCP for ts 570

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-18 13:56:20 UTC
From: JIm Wilson
Topic: 90 Message: 92

Does anyone in this group have information on the RCP program for computer control of the TS-570? I have seen the version RCP-2 mentioned, but cannot find it. I have downloaded the older RCP from the Kenwood site, but cannot get it to run.

Any Ideas?

Jim

93. help wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-21 06:29:02 UTC
From: m0dbo
Topic: 93 Message: 93

i have a 530sp and would like to run qrp power . i have found out that i can reduce power using a pp3 battery and a variable resistor connected to a socket at the rear of the rig .the problem i have is finding a suitable din plug to fit the socket. i have purchased two and niether fit .does anyone know if it is a special plug . if so any idea where i can get one .all the best nigel m0dbo

94. TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-21 21:37:41 UTC
From: ab8pk
Topic: 66 Message: 94

Hi Everyone,
I was wondering if the DS-1A DC to DC converter for the TS-820 is still to be had somewhere? I would really like to try this rig mobile for working the WAS nets. If anyone has any experiance using this rig mobile I would appreciate any advice you may have! Also, is the schematic for the converter available or are there alternatives to the stock converter? Tks!

73,
de Mike AB8PK

95. ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-24 15:23:05 UTC
From: ab8pk
Topic: 95 Message: 95

Anyone still around in this group?

96. Re: [TS-520_820_530_830] ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-24 17:31:54 UTC
From: Bill
Topic: 95 Message: 96

I certainly hope so! At least, until Jesus comes back
eh?

We have had a certain amount of threads get started
here, then they seem to gravitate to direct emails for
some reason, hi hi!

bill
K0ZL

--- ab8pk <mlewallen@...> wrote:
> Anyone still around in this group?
>
>

=====

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97. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP and REPLY

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-25 00:19:27 UTC
From: vpoag
Topic: 97 Message: 97

Dear Bill & Members of the Group,

Bill, here is an update for you on my ts-820s that was dead, dead and more dead. I did check the af unit as you suggested and I did find a problem.

The voltage trouble you suggested was correct. After replacing the bridge rectifiers diodes in the main power supply, voltage did return to the unit.

However, it was not until I found a bad molex connector on the af unit that the radio came to life. It receives perfectly now.

However. It is receiving, but I get no bias reading in the IP meter position on transmit. YOu have taken me this far, would I be so lucky as to get another idea on which way to go.

Thank you for your help and maybe this will help others.

Victor Poag
Columbus, OHio

98. Re: Fw: [TS-520_820_530_830] 820 Question and Follow UP and REPLY

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-25 14:15:47 UTC
From: Bill
Topic: 97 Message: 98

Check the position of the SG switch in the back of the rig. It must be ON. Note, you can turn this OFF to prevent unauthorized transmitting (ever have grandkids in the shack?).

If that is not the problem:

Check the grid voltage reading on the 6146s (dc, no drive applied--use SSB mode to tx) in tx mode, and in receive mode and post us on the readings.

Should be about minus 115 volts (this will bias the tubes OFF for receive). Then check it in tx mode. With the "bias" pot, you should be able to vary the grid voltage from minus 115 to about minus 45 volts, at which point you should have a BOATLOAD of plate current. Don't let that condtion happen for more than a few seconds.

If you have plenty of plate current, your tubes and bias and screen supplies are ok.

If you don't have any tube current, with the bias at minimum (i.e. closest to zero volts, about -45v), you either have bad tubes, or your screen supply has failed. Check your screen voltage on the tubes... should be 220-270 vdc positive in tx mode.

If not, check the 100 ohm resistors for the screens on the tubes... they may be open.

Then check the 2w, 470 ohm screen dropping resistor on the voltage rectifier unit. Do this by checking for the 220v and the 300 volt DC on the pins on the board.

Let me know what you find. Most likely, the 470 ohm resistor is blown; this will happen if you get a grid/grid short in one of the tubes. When you replace it, do NOT go higher in wattage and DO mount it high above the board. It acts like a very effective FUSE and when it burns, you don't want it to damage the PC board.

Have fun. You are well into my $100 labor range so far! hi hi

73

b
--- vpoag <vpoag@...> wrote:
> Dear Bill & Members of the Group,
>
> Bill, here is an update for you on my ts-820s that
> was dead, dead and more dead. I did check the af
> unit as you suggested and I did find a problem.
>
> The voltage trouble you suggested was correct.
> After replacing the bridge rectifiers diodes in the
> main power supply, voltage did return to the unit.
>
> However, it was not until I found a bad molex
> connector on the af unit that the radio came to
> life. It receives perfectly now.
>
> However. It is receiving, but I get no bias reading
> in the IP meter position on transmit. YOu have
> taken me this far, would I be so lucky as to get
> another idea on which way to go.
>
> Thank you for your help and maybe this will help
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> Victor Poag
> Columbus, OHio
>

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99. Hi, New to this SIte

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-29 00:21:36 UTC
From: Bill
Topic: 99 Message: 99

Hi, I am Bill, K2WH. My very first rig 33 years ago was a Kenwood TS-820s. I didn't have a long time to discover the way the TS-820s performed because I had to sell it 6 months after receiving it. I recently went on a binge and with some nostalgia biting me, I bought 2 TS-820s, 1 TS-520, 1 SM-220, 1 Matching speaker for the TS-820s, 1 Matching speaker for the TS-520, 2 external 520 VFO's and 1 external 820 VFO.

So, I have 2 complete Kenwood stations. I am very happy with the way they work and enjoy using them more than my ICOM-756pro!

I have a question. Does anyone know where to get parts for these wonderful radios? The digital display on my 820 wants to have the number '9' in the second place no matter what I do. All the other numbers are correct for the frequency in use. Not a big problem but a little annoying. Anyone with any ideas on this one? I cleaned all the card connectors a couple of times. Any info greatly appreciated. BTW, I opened a new folder in the photo's section. It contains a couple of pictures of some of my Kenwood collection. Enjoy.

Bill
K2WH

100. new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-29 21:40:59 UTC
From: Bill Leahy
Topic: 100 Message: 100

Welcome to W3OA and others that have joined in the last week or so.
I try to greet everyone, but it's not always possible.

Please post about yourself and your station, and your interest in
these fine Kenwood radios.

73!

Bill K0ZL

101. RE: [TS-520_820_530_830] Digest Number 37

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-29 23:38:37 UTC
From: Art Roberts
Topic: 101 Message: 101

Hi Bill. I am Art, K0OQ, and I am new to this site as well. My first rig (in '75) was a TS520 (still have it) and it works great. AS far as your problem with the 820 goes, I don't have any schematics available, but I would guess (because of the age of the rig) the problem may very well be with a driver chip (or a latch) for the display. If the display is working (is it a seven segment LED?) it is probably fine - but either the seven segment display driver (if it is a TTL chip, it would be something like a 7447 - I think - I don't know what it would be at all if it were CMOS.) There is also a latch that will probably driving the display driver, and that may be what is bad. I am assuming that the rig is using discreet TTL chips - most of the rigs today use 'monolithic' ICs and are heavily integrated. The way to troubleshoot this would probably be with a logic probe - if you don't have one, you would be looking for either 0 or 5 volts with a voltmeter, and use the spec sheets for the chips if you don't have a schematic. Good luck! Let me know if this helps.

By the way, if anyone is interested, there is a really great Russian web site with lots of manuals (many of the schematics are in the DjVu format, instructions for downloading the plug in are on the web page). It has lots of manuals, schematics and even control software. Nothing, though for the 820.
http://hamradio.online.ru/sch_eng.html

Best wishes and 73's.

Art

Hi, I am Bill, K2WH. My very first rig 33 years ago was a Kenwood TS-820s. I didn't have a long time to discover the way the TS-820s performed because I had to sell it 6 months after receiving it. I recently went on a binge and with some nostalgia biting me, I bought 2 TS-820s, 1 TS-520, 1 SM-220, 1 Matching speaker for the TS-820s, 1 Matching speaker for the TS-520, 2 external 520 VFO's and 1 external 820 VFO.

So, I have 2 complete Kenwood stations. I am very happy with the way they work and enjoy using them more than my ICOM-756pro!

I have a question. Does anyone know where to get parts for these wonderful radios? The digital display on my 820 wants to have the number '9' in the second place no matter what I do. All the other numbers are correct for the frequency in use. Not a big problem but a little annoying. Anyone with any ideas on this one? I cleaned all the card connectors a couple of times. Any info greatly appreciated. BTW, I opened a new folder in the photo's section. It

contains a couple of pictures of some of my Kenwood collection.
Enjoy.

Bill
K2WH

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102. First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-30 01:35:48 UTC
From: waynem3612
Topic: 102 Message: 102

Hi all,

I think in my first post here I was still prepping for my exam. Well, I passed the first 3 elements, so now I am a general. I located a decent TS-830 on swap.qth.com, and that is now sitting on my desk. All I need is an antenna, and I'm good to go!

Therein lies my question. I'm not quite sure about antennas and tuners. I don't understand how much a tuner can modify the natural resonance of an antenna. For instance, one of my options is to install a dipole in my attic. I have a straight shot of about 50 feet, so I could build a dipole for about 30 meters (or less). But if I add a tuner how much can I change that? In which direction? I could also put up a 60-70 foot dipole outside, but it wouldn't be as high and that's not as attractive to my wife ;). So any advice for a newcomer?

Thanks in advance. 73,
Wayne KD7SWM

103. RE: [TS-520_820_530_830] Digest Number 37

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-30 03:44:15 UTC
From: Bill
Topic: 101 Message: 103

Hey Art, where are you in zero land?

Bill K0ZL
(Denver)

--- Art Roberts <artr@...> wrote:
> Hi Bill. I am Art, K0OQ, and I am new to this site
> as well. My first
> rig (in '75) was a TS520 (still have it) and it
> works great.

=====

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104. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-30 03:47:29 UTC
From: Bill
Topic: 102 Message: 104

Start low key. 20M dipole, 16' each side, feed with
RG8X, show wife how much fun ham radio is. Next
spring, go for another 40M dipole outside. Forget the
tuner if you can. Your rig can handle up to 3;1 swr
no problem. I will tell you how to tune into high SWR
with tube rig. I do it all the time.

20M is best bang for buck, if you can have only one
antenna.

bill

--- waynem3612 <waynelynn.moore@...> wrote:
> Hi all,
>
> I think in my first post here I was still prepping
> for my exam. Well,
> I passed the first 3 elements, so now I am a
> general. I located a
> decent TS-830 on swap.qth.com, and that is now
> sitting on my desk.
> All I need is an antenna, and I'm good to go!
>
> Therein lies my question. I'm not quite sure about
> antennas and
> tuners. I don't understand how much a tuner can
> modify the natural
> resonance of an antenna. For instance, one of my
> options is to
> install a dipole in my attic. I have a straight shot
> of about 50
> feet, so I could build a dipole for about 30 meters
> (or less). But if
> I add a tuner how much can I change that? In which
> direction? I could
> also put up a 60-70 foot dipole outside, but it
> wouldn't be as high
> and that's not as attractive to my wife ;). So any
> advice for a
> newcomer?
>
> Thanks in advance. 73,
> Wayne KD7SWM
>
>

=====

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105. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-30 03:53:10 UTC
From: f x
Topic: 102 Message: 105

HIi Wayne,

Well, where to start... First, a tuner does nothing to the resonant frequency of an antenna... Only physical things like length and width of the conductors do that... If you have a dipole cut to length, or a nice trap dipole, the antenna can be connected to the rig directly with coax... 50 ohm usually... If the SWR is less than 2:1, don't worry about it... just have fun.. You might want to consult any of the numerous sources on antennas... printed and web based... The tuner, or matchbox is useful if you feed the dipole with twin lead at 300 ohms or so.. That makes it multiband without the traps... see G5RV references... Or, you can run insulated wire vertically then along your attic eave and have a long wire or flat top array depending on the operating frequency.. One key element to make sure of is a good GROUND... by that I mean a good RF ground as well as a good Electrical ground... Lay out some chicken wire... drive a few spaced 8' rods... anything you can do to get the ground better is going to help... and it will help with any interference problems you have... There are also lots of forums on hidden antennas... try those...

I am an 830 user, but not for seven years... been out of the country and not able to operate... coming back to the US in two days... will have the rig on just after new years... Hope all the caps are not dried out... we shall see... I may be a frequent quester here.... Loved my 830... operate 40-20 CW mostly... chase DX... I worked 138 countries in about a year from a Ft. Worth QTH which had antenna covenants... Hid a bobtail curtain in some Photina bushes... could not see it from 20 feet away... gave me about 5 dB gain and vertical polarization... love it... will be my first antenna up when I get back... The other antenna was an inverted vee for 30 which doubled as TV antenna guy wires... hehe.

Good luck and may see you on the air sometime..

73

NY0Y
Raleigh
waynem3612 <waynelynn.moore@...> wrote:Hi all,

I think in my first post here I was still prepping for my exam. Well,
I passed the first 3 elements, so now I am a general. I located a
decent TS-830 on swap.qth.com, and that is now sitting on my desk.
All I need is an antenna, and I'm good to go!

Therein lies my question. I'm not quite sure about antennas and
tuners. I don't understand how much a tuner can modify the natural
resonance of an antenna. For instance, one of my options is to
install a dipole in my attic. I have a straight shot of about 50
feet, so I could build a dipole for about 30 meters (or less). But if
I add a tuner how much can I change that? In which direction? I could
also put up a 60-70 foot dipole outside, but it wouldn't be as high
and that's not as attractive to my wife ;). So any advice for a

newcomer?

Thanks in advance. 73,
Wayne KD7SWM

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106. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-30 13:34:24 UTC
From: Bill
Topic: 102 Message: 106

Welcome home, Wayne!

Good antenna advice.

I might turn loose of my "single element quad loop
wire antenna in the trees" secret, if someone will buy
me a cup of coffee!

bill K0ZL

--- f x <dawnlight1491@...> wrote:
>
> HIi Wayne,
>
> Well, where to start... First, a tuner does nothing
> to the resonant frequency of an antenna... Only
> physical things like length and width of the
> conductors do that... If you have a dipole cut to
> length, or a nice trap dipole, the antenna can be
> connected to the rig directly with coax... 50 ohm
> usually... If the SWR is less than 2:1, don't worry
> about it... just have fun.. You might want to
> consult any of the numerous sources on antennas...
> printed and web based... The tuner, or matchbox is
> useful if you feed the dipole with twin lead at 300
> ohms or so.. That makes it multiband without the
> traps... see G5RV references... Or, you can run
> insulated wire vertically then along your attic eave
> and have a long wire or flat top array depending on
> the operating frequency.. One key element to make
> sure of is a good GROUND... by that I mean a good
> RF ground as well as a good Electrical ground...
> Lay out some chicken wire... drive a few spaced 8'
> rods... anything you can do to get the ground better
> is going to help... and it will help with any
> interference problems you have... There are also
> lots of forums on hidden antennas... try those...
>
> I am an 830 user, but not for seven years... been
> out of the country and not able to operate... coming
> back to the US in two days... will have the rig on
> just after new years... Hope all the caps are not
> dried out... we shall see... I may be a frequent
> quester here.... Loved my 830... operate 40-20 CW
> mostly... chase DX... I worked 138 countries in
> about a year from a Ft. Worth QTH which had antenna

> covenants... Hid a bobtail curtain in some Photina
> bushes... could not see it from 20 feet away... gave
> me about 5 dB gain and vertical polarization... love
> it... will be my first antenna up when I get
> back... The other antenna was an inverted vee for
> 30 which doubled as TV antenna guy wires... hehe.
>
> Good luck and may see you on the air sometime..
>
> 73
>
> NY0Y
> Raleigh
> waynem3612 <waynelynn.moore@...> wrote:Hi all,
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> I think in my first post here I was still prepping
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> I add a tuner how much can I change that? In which
> direction? I could
> also put up a 60-70 foot dipole outside, but it
> wouldn't be as high
> and that's not as attractive to my wife ;). So any
> advice for a
> newcomer?
>
> Thanks in advance. 73,
> Wayne KD7SWM
>
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107. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 00:10:58 UTC
From: sparks98.g4kki
Topic: 102 Message: 107

Hi Guys,
been reading the mail with interest, welcome to the new members from here
in Manchester,UK.
My 530 is now behaving it's self thanks bill for your help whenn i needed it.
all this talk about antennas has me going green. Here am in a city lot and my back yard is
15 foot by 20 foot ! no front garden at all. Still with a half size g5rv in an inverted vee
shape
plus a pair of home brewed magnetic loops i get out a signal.Some how it gets out world
wide.
Keep your emails to the group going am building up a nice file of faults and cures.

regards to all

Bill G4KKI.

----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, October 30, 2002 1:34 PM
Subject: Re: [TS-520_820_530_830] First station coming together - antenna help?

Welcome home, Wayne!

Good antenna advice.

I might turn loose of my "single element quad loop
wire antenna in the trees" secret, if someone will buy
me a cup of coffee!

bill K0ZL

--- f x <dawnlight1491@...> wrote:
>
> HIi Wayne,
>
> Well, where to start... First, a tuner does nothing
> to the resonant frequency of an antenna... Only
> physical things like length and width of the
> conductors do that... If you have a dipole cut to
> length, or a nice trap dipole, the antenna can be
> connected to the rig directly with coax... 50 ohm
> usually... If the SWR is less than 2:1, don't worry
> about it... just have fun.. You might want to
> consult any of the numerous sources on antennas...
> printed and web based... The tuner, or matchbox is
> useful if you feed the dipole with twin lead at 300
> ohms or so.. That makes it multiband without the

> traps... see G5RV references... Or, you can run
> insulated wire vertically then along your attic eave
> and have a long wire or flat top array depending on
> the operating frequency.. One key element to make
> sure of is a good GROUND... by that I mean a good
> RF ground as well as a good Electrical ground...
> Lay out some chicken wire... drive a few spaced 8'
> rods... anything you can do to get the ground better
> is going to help... and it will help with any
> interference problems you have... There are also
> lots of forums on hidden antennas... try those...
>
> I am an 830 user, but not for seven years... been
> out of the country and not able to operate... coming
> back to the US in two days... will have the rig on
> just after new years... Hope all the caps are not
> dried out... we shall see... I may be a frequent
> quester here.... Loved my 830... operate 40-20 CW
> mostly... chase DX... I worked 138 countries in
> about a year from a Ft. Worth QTH which had antenna
> covenants... Hid a bobtail curtain in some Photina
> bushes... could not see it from 20 feet away... gave
> me about 5 dB gain and vertical polarization... love
> it... will be my first antenna up when I get
> back... The other antenna was an inverted vee for
> 30 which doubled as TV antenna guy wires... hehe.
>
> Good luck and may see you on the air sometime..
>
> 73
>
> NY0Y
> Raleigh
> waynem3612 <waynelynn.moore@...> wrote:Hi all,
>
> I think in my first post here I was still prepping
> for my exam. Well,
> I passed the first 3 elements, so now I am a
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> decent TS-830 on swap.qth.com, and that is now
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> resonance of an antenna. For instance, one of my
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> feet, so I could build a dipole for about 30 meters
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> direction? I could
> also put up a 60-70 foot dipole outside, but it
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> and that's not as attractive to my wife ;). So any
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> newcomer?
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> Thanks in advance. 73,
> Wayne KD7SWM
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108. Art in zero land

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 02:22:32 UTC
From: Art Roberts
Topic: 108 Message: 108

I live in Faribault, Minnesota and work in North Mankato. I teach electronics and computer repair in a wireless and manufacturing programs at South Central Technical College.

Art

109. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 03:45:05 UTC
From: Bill
Topic: 102 Message: 109

Bill, thanks for your kind words! I get a lot out of
seeing guys fix their own rigs up.

Be happy with the antennas you have, so many are
confined to mobile operation, or no HF at all.

73!

Bill

--- "sparks98.g4kki" <sparks98.g4kki@...>
wrote:
> Hi Guys,
> been reading the mail with interest,
> welcome to the new members from here
> in Manchester,UK.
> My 530 is now behaving it's self thanks
> bill for your help whenn i needed it.
> all this talk about antennas has me going green.
> Here am in a city lot and my back yard is
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> with a half size g5rv in an inverted vee shape
> plus a pair of home brewed magnetic loops i get out
> a signal.Some how it gets out world wide.
> Keep your emails to the group going am building up
> a nice file of faults and cures.
>
> regards to all
>
> Bill G4KKI.
>
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Wednesday, October 30, 2002 1:34 PM
> Subject: Re: [TS-520_820_530_830] First station
> coming together - antenna help?
>
>
> Welcome home, Wayne!
>
> Good antenna advice.
>
> I might turn loose of my "single element quad loop
> wire antenna in the trees" secret, if someone will
> buy

> me a cup of coffee!
>
> bill K0ZL
>
> --- f x <dawnlight1491@...> wrote:
> >
> > HIi Wayne,
> >
> > Well, where to start... First, a tuner does
> nothing
> > to the resonant frequency of an antenna... Only
> > physical things like length and width of the
> > conductors do that... If you have a dipole cut
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> ohm
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> make
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> > Lay out some chicken wire... drive a few spaced
> 8'
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> > interference problems you have... There are
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> >

> > I am an 830 user, but not for seven years...
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> > out of the country and not able to operate...
> coming
> > back to the US in two days... will have the rig
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> > just after new years... Hope all the caps are
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> > dried out... we shall see... I may be a
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> > quester here.... Loved my 830... operate 40-20
> CW
> > mostly... chase DX... I worked 138 countries
> in
> > about a year from a Ft. Worth QTH which had
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> > covenants... Hid a bobtail curtain in some
> Photina
> > bushes... could not see it from 20 feet away...
> gave
> > me about 5 dB gain and vertical polarization...
> love
> > it... will be my first antenna up when I get
> > back... The other antenna was an inverted vee
> for
> > 30 which doubled as TV antenna guy wires...
> hehe.
> >
> > Good luck and may see you on the air sometime..
> >
> > 73
> >
> > NY0Y
> > Raleigh
> > waynem3612 <waynelynn.moore@...> wrote:Hi
> all,
> >
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> prepping
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> > newcomer?
> >
> > Thanks in advance. 73,
> > Wayne KD7SWM
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110. Re: [TS-520_820_530_830] Art in zero land

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 03:51:31 UTC
From: Bill
Topic: 108 Message: 110

Hi Art!

Man the wx here in Colo is like MN. 14 degrees, north
wind, snowing for last two days, 7" in the back yard
and we are all wearing longjohns. INDOORS!

Bill K0ZL

--- Art Roberts <artr@...> wrote:
> I live in Faribault, Minnesota and work in North
> Mankato. I teach
> electronics and computer repair in a wireless and
> manufacturing programs
> at South Central Technical College.
>
>
> Art
>
>

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111. Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 07:49:30 UTC
From: waynem3612
Topic: 102 Message: 111

You are such a great group of guys (maybe some ladies too?)! I appreciate all the help and advice. And Bill, if and when I need help repairing my rig, it's a great comfort knowing you are here.

Now let me repeat what I think I heard from Raleigh and Bill about antennas. Option 1 is a dipole cut to length of the band I want, fed with coax, straight into the transceiver, no tuner required. Option 2 is a dipole fed with twinlead, going to a tuner, and with that I can tune to more than one band? How does the dipole length factor in to the second option?

Thanks again everyone! I am anxious to get on the air. I would like to run down to HRO this weekend and buy enough parts to get me going.

73,
- Wayne KD7SWM

--- In TS-520_820_530_830@y..., f x <dawnlight1491@y...> wrote:
>
> HIi Wayne,
>
> Well, where to start... First, a tuner does nothing to the resonant frequency of an antenna... Only physical things like length and width of the conductors do that... If you have a dipole cut to length, or a nice trap dipole, the antenna can be connected to the rig directly with coax... 50 ohm usually... If the SWR is less than 2:1, don't worry about it... just have fun.. You might want to consult any of the numerous sources on antennas... printed and web based... The tuner, or matchbox is useful if you feed the dipole with twin lead at 300 ohms or so.. That makes it multiband without the traps... see G5RV references... Or, you can run insulated wire vertically then along your attic eave and have a long wire or flat top array depending on the operating frequency.. One key element to make sure of is a good GROUND... by that I mean a good RF ground as well as a good Electrical ground... Lay out some chicken wire... drive a few spaced 8' rods... anything you can do to get the ground better is going to help... and it will help with any interference problems you have... There are also lots of forums on hidden antennas... try those...
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> Good luck and may see you on the air sometime..
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> waynem3612 <waynelynn.moore@a...> wrote:Hi all,
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>
> Thanks in advance. 73,
> Wayne KD7SWM
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112. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 09:02:41 UTC
From: G. Milligan
Topic: 102 Message: 112

Bill (G4KKI)

I would be interested in how you have set up the configuration of your half size G5RV and your home brew mag loops I also have a similar problem with garden size. I am located in Coventry (almost directly in the center of England to those you do not know it), so perhaps we could hook up over the air at some point?

I have started to notice that when listening to morse on my TS-530 the quality of the tone tends be masked by mains (50Hz) hum, I dont think that all of them are noisy transmitters, I am wondering if their may be a fault in the audio stage.

Have you ever noticed this on yours?

Perhaps I should open this to the group, could this be a leaky or dried up capacitor in the audio stage?

Greg Milligan

G1CPU / M3BBP

>
> Hi Guys,
> been reading the mail with interest, welcome to the new members from here
> in Manchester,UK.
> My 530 is now behaving it's self thanks bill for your help whenn i needed it.
> all this talk about antennas has me going green. Here am in a city lot and my back yard is
> 15 foot by 20 foot ! no front garden at all. Still with a half size g5rv in an inverted vee shape
> plus a pair of home brewed magnetic loops i get out a signal.Some how it gets out world wide.
> Keep your emails to the group going am building up a nice file of faults and cures.
>
> regards to all
>
> Bill G4KKI.

113. RE: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 01:10:43 UTC
From: Bill
Topic: 102 Message: 113

Dipole length with the second option is not a factor at
all as long as the antenna is at least the correct resonant
length for the lowest band you wish to operate on. I use
a 250' dipole up about 50' on 160 to 10 meters with a tuner.
Works wonderfully.

A different 'Bill'

Bill
K2WH

-----Original Message-----
From: waynem3612 [mailto:waynelynn.moore@...]
Sent: Thursday, October 31, 2002 12:50 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: First station coming together -
antenna help?

You are such a great group of guys (maybe some ladies too?)! I
appreciate all the help and advice. And Bill, if and when I need help
repairing my rig, it's a great comfort knowing you are here.

Now let me repeat what I think I heard from Raleigh and Bill about
antennas. Option 1 is a dipole cut to length of the band I want, fed
with coax, straight into the transceiver, no tuner required. Option 2
is a dipole fed with twinlead, going to a tuner, and with that I can
tune to more than one band? How does the dipole length factor in to
the second option?

Thanks again everyone! I am anxious to get on the air. I would like
to run down to HRO this weekend and buy enough parts to get me going.

73,
- Wayne KD7SWM

--- In TS-520_820_530_830@y..., f x <dawnlight1491@y...> wrote:
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rig directly with coax... 50 ohm usually... If the SWR is less than
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consult any of the numerous sources on antennas... printed and web based... The tuner, or matchbox is useful if you feed the dipole with twin lead at 300 ohms or so.. That makes it multiband without the traps... see G5RV references... Or, you can run insulated wire vertically then along your attic eave and have a long wire or flat top array depending on the operating frequency.. One key element to make sure of is a good GROUND... by that I mean a good RF ground as well as a good Electrical ground... Lay out some chicken wire... drive a few spaced 8' rods... anything you can do to get the ground better is going to help... and it will help with any interference problems you have... There are also lots of forums on hidden antennas... try those...
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> I am an 830 user, but not for seven years... been out of the country and not able to operate... coming back to the US in two days... will have the rig on just after new years... Hope all the caps are not dried out... we shall see... I may be a frequent quester here.... Loved my 830... operate 40-20 CW mostly... chase DX... I worked 138 countries in about a year from a Ft. Worth QTH which had antenna covenants... Hid a bobtail curtain in some Photina bushes... could not see it from 20 feet away... gave me about 5 dB gain and vertical polarization... love it... will be my first antenna up when I get back... The other antenna was an inverted vee for 30 which doubled as TV antenna guy wires... hehe.
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114. Re: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 12:25:00 UTC
From: Bill
Topic: 102 Message: 114

Wayne,
The single dipole/single band is the easiest to get going, of course, and is the usual "first antenna" for most.

The open-wire feed dipole must be cut for the lowest band you are going to operate (as a rule, it's much easier to tune an antenna for it's intended band OR HIGHER, but not LOWER). A 20M, open-wire fed dipole will work 20-10M, and POSSIBLY 30M. An 80M dipole 132 feet long will work 80 and up.

There are always exceptions to any "rule"; with the open wire feed dipole, there are some combinations of band and feedline length that just won't work; these are found only by trial and error, although I think the ARRL antenna book will tell you some obvious mis-match combinations that should be avoided.

The other issue with a "tuned feeder" approach (that is, open wire line, antenna fed basically off-resonance) is the tuner. An MFJ "300 watt" tuner will JUST be adequate for your rig on MOST bands. On some combinations however, it will arc, even at very low power levels. You just have to try and see.

A complicating factor with your rig and a tuner is, which do you tune first? It will slow down QSY to other bands somewhat, but at least you will be able to do it. If you get a tuner, make sure you get one with a 100W rated dummy load. Tune the rig into the dummy load for max output, then reduce power with the carrier control, then tune the tuner for minimum SWR (recommend cross-needle meters, they make it easy).

Then, increase your power, or switch to SSB, switch the tuner over to your antenna, and operate. Don't go back and forth tuning this and that, you will just confuse yourself and put unnecessary wear and tear on your final tubes.

If using a tuner and tuned feeders, you will acquire the skill of tuning the tuner for maximum received noise first. This will get you in the ball park on the tuner settings. You will also learn to mark your

settings in the log for each band (or segment), to
allow quicker band change. After a while, you will be
relatively quick at doing this. Especially during
contests and DX chasing!

Have fun. And Raleigh and the rest of the list,
please jump in and pick this apart or add to it as you
see fit. That way, Wayne will get a "better picture"!
hi hi

73!

Bill K0ZL

--- waynem3612 <waynelynn.moore@...> wrote:
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> ladies too?)! I
> appreciate all the help and advice. And Bill, if and
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115. RE: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 12:34:29 UTC
From: Bill
Topic: 102 Message: 115

Also want to recommend the Cushcraft R7000, it is a
great antenna from what I have heard of it on the air.
Also the Gap Titan and Challenger are always loud
here. Keep in mind, verticals work great out past
1,000 miles... closer in, you want a good NVIS antenna
like a dipole.

bill the other.

K0ZL

--- Bill <k2wh@...> wrote:
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> From: waynem3612 [mailto:waynelynn.moore@...]
> Sent: Thursday, October 31, 2002 12:50 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: First station
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116. Re: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 13:36:21 UTC
From: f x
Topic: 102 Message: 116

Dear Wayne,

Nothing quite so exciting as the first QSO... good luck...
If you have an HRO, you might want to measure your attic space first... determine what length you have available, and see if HRO has a trap dipole that will fit in your space available... That is the quick and dirty way to multiband operation... The reply from bill on antenna tuners and tuning...was right smack dab on the money.. very succinct and accurate... If you want to operate on the lower bands, consider the random length long wire... just connect the single wire to the tuner post... and the other to a GOOD ground... You should be able to get down to 40 meters pretty easily... but I agree that 20 is probably the most "productive" band...

I have to go QRT for a few days folks... I have a 25 hour airplane ride which begins in about five hours from now... may make it back online next week sometime... be interesting to see how you made out Wayne...

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Raleigh
NY0Y
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117. RE: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-10-31 14:31:12 UTC
From: Bill
Topic: 102 Message: 117

I agree with "Bill the other".

Bill the other one.
K2WH

-----Original Message-----
From: Bill [mailto:coorsbill@...]
Sent: Thursday, October 31, 2002 17:34 PM
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> is a dipole fed with twinlead, going to a tuner, and
> with that I can
> tune to more than one band? How does the dipole
> length factor in to
> the second option?
>
> Thanks again everyone! I am anxious to get on the
> air. I would like
> to run down to HRO this weekend and buy enough parts
> to get me going.
>
> 73,
> - Wayne KD7SWM
>
> --- In TS-520_820_530_830@y..., f x
> <dawnlight1491@y...> wrote:
> >
> > HIi Wayne,
> >
> > Well, where to start... First, a tuner does
> nothing to the
> resonant frequency of an antenna... Only physical
> things like length
> and width of the conductors do that... If you have a
> dipole cut to
> length, or a nice trap dipole, the antenna can be
> connected to the
> rig directly with coax... 50 ohm usually... If the
> SWR is less than
> 2:1, don't worry about it... just have fun.. You
> might want to
> consult any of the numerous sources on antennas...
> printed and web
> based... The tuner, or matchbox is useful if you

> feed the dipole
> with twin lead at 300 ohms or so.. That makes it
> multiband without
> the traps... see G5RV references... Or, you can
> run insulated wire
> vertically then along your attic eave and have a
> long wire or flat
> top array depending on the operating frequency..
> One key element to
> make sure of is a good GROUND... by that I mean a
> good RF ground as
> well as a good Electrical ground... Lay out some
> chicken wire...
> drive a few spaced 8' rods... anything you can do to
> get the ground
> better is going to help... and it will help with
> any interference
> problems you have... There are also lots of forums
> on hidden
> antennas... try those...
> >
> > I am an 830 user, but not for seven years... been
> out of the
> country and not able to operate... coming back to
> the US in two
> days... will have the rig on just after new years...
> Hope all the
> caps are not dried out... we shall see... I may be
> a frequent
> quester here.... Loved my 830... operate 40-20 CW
> mostly... chase
> DX... I worked 138 countries in about a year from
> a Ft. Worth QTH
> which had antenna covenants... Hid a bobtail
> curtain in some Photina
> bushes... could not see it from 20 feet away... gave
> me about 5 dB
> gain and vertical polarization... love it... will
> be my first
> antenna up when I get back... The other antenna was
> an inverted vee
> for 30 which doubled as TV antenna guy wires...
> hehe.
> >
> > Good luck and may see you on the air sometime..
> >
> > 73
> >
> > NY0Y
> > Raleigh

> > waynem3612 <waynelynn.moore@a...> wrote:Hi all,
> >
> > I think in my first post here I was still prepping
> for my exam.
> Well,
> > I passed the first 3 elements, so now I am a
> general. I located a
> > decent TS-830 on swap.qth.com, and that is now
> sitting on my desk.
> > All I need is an antenna, and I'm good to go!
> >
> > Therein lies my question. I'm not quite sure about
> antennas and
> > tuners. I don't understand how much a tuner can
> modify the natural
> > resonance of an antenna. For instance, one of my
> options is to
> > install a dipole in my attic. I have a straight
> shot of about 50
> > feet, so I could build a dipole for about 30
> meters (or less). But
> if
> > I add a tuner how much can I change that? In which
> direction? I
> could
> > also put up a 60-70 foot dipole outside, but it
> wouldn't be as high
> > and that's not as attractive to my wife ;). So any
> advice for a
> > newcomer?
> >
> > Thanks in advance. 73,
> > Wayne KD7SWM
> >
> >
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118. Re: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-01 03:31:01 UTC
From: Bill
Topic: 102 Message: 118

The other downside to tuned feeders (and longwires)
is, they can introduce RFI to your shack and other
electronics in the house, including computers, the
daughter's CD player (DDDDAAAAAAAAAD, you're doing it
a-GAAAIINNNNN), and the disgusting telephone...

But, even with a single band, untuned feeder, resonant
dipole with 1:1 swr, in the attic you are going to
have much the same problem. You may have to run QRP,
but that's ok too! hi

bill

PS thanks for confirming my last post!

b
--- f x <dawnlight1491@...> wrote:
>
> Dear Wayne,
>
> Nothing quite so exciting as the first QSO... good
> luck...
> If you have an HRO, you might want to measure your
> attic space first... determine what length you have
> available, and see if HRO has a trap dipole that
> will fit in your space available... That is the
> quick and dirty way to multiband operation... The
> reply from bill on antenna tuners and tuning...was
> right smack dab on the money.. very succinct and
> accurate... If you want to operate on the lower
> bands, consider the random length long wire... just
> connect the single wire to the tuner post... and the
> other to a GOOD ground... You should be able to get
> down to 40 meters pretty easily... but I agree that
> 20 is probably the most "productive" band...
>
> I have to go QRT for a few days folks... I have a 25
> hour airplane ride which begins in about five hours
> from now... may make it back online next week
> sometime... be interesting to see how you made out
> Wayne...
>
> 73
> Raleigh
> NY0Y

> waynem3612 <waynelynn.moore@...> wrote: You are
> such a great group of guys (maybe some ladies too?)!
> I
> appreciate all the help and advice. And Bill, if and
> when I need help
> repairing my rig, it's a great comfort knowing you
> are here.
>
> Now let me repeat what I think I heard from Raleigh
> and Bill about
> antennas. Option 1 is a dipole cut to length of the
> band I want, fed
> with coax, straight into the transceiver, no tuner
> required. Option 2
> is a dipole fed with twinlead, going to a tuner, and
> with that I can
> tune to more than one band? How does the dipole
> length factor in to
> the second option?
>
> Thanks again everyone! I am anxious to get on the
> air. I would like
> to run down to HRO this weekend and buy enough parts
> to get me going.
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> and width of the conductors do that... If you have a
> dipole cut to
> length, or a nice trap dipole, the antenna can be
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> rig directly with coax... 50 ohm usually... If the
> SWR is less than
> 2:1, don't worry about it... just have fun.. You
> might want to
> consult any of the numerous sources on antennas...
> printed and web
> based... The tuner, or matchbox is useful if you
> feed the dipole
> with twin lead at 300 ohms or so.. That makes it

> multiband without
> the traps... see G5RV references... Or, you can
> run insulated wire
> vertically then along your attic eave and have a
> long wire or flat
> top array depending on the operating frequency..
> One key element to
> make sure of is a good GROUND... by that I mean a
> good RF ground as
> well as a good Electrical ground... Lay out some
> chicken wire...
> drive a few spaced 8' rods... anything you can do to
> get the ground
> better is going to help... and it will help with
> any interference
> problems you have... There are also lots of forums
> on hidden
> antennas... try those...
> >
> > I am an 830 user, but not for seven years... been
> out of the
> country and not able to operate... coming back to
> the US in two
> days... will have the rig on just after new years...
> Hope all the
> caps are not dried out... we shall see... I may be
> a frequent
> quester here.... Loved my 830... operate 40-20 CW
> mostly... chase
> DX... I worked 138 countries in about a year from
> a Ft. Worth QTH
> which had antenna covenants... Hid a bobtail
> curtain in some Photina
> bushes... could not see it from 20 feet away... gave
> me about 5 dB
> gain and vertical polarization... love it... will
> be my first
> antenna up when I get back... The other antenna was
> an inverted vee
> for 30 which doubled as TV antenna guy wires...
> hehe.
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> > Good luck and may see you on the air sometime..
> >
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> > waynem3612 <waynelynn.moore@a...> wrote:Hi all,
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> > I think in my first post here I was still prepping
> for my exam.
> Well,
> > I passed the first 3 elements, so now I am a
> general. I located a
> > decent TS-830 on swap.qth.com, and that is now
> sitting on my desk.
> > All I need is an antenna, and I'm good to go!
> >
> > Therein lies my question. I'm not quite sure about
> antennas and
> > tuners. I don't understand how much a tuner can
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> > resonance of an antenna. For instance, one of my
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> > also put up a 60-70 foot dipole outside, but it
> wouldn't be as high
> > and that's not as attractive to my wife ;). So any
> advice for a
> > newcomer?
> >
> > Thanks in advance. 73,
> > Wayne KD7SWM
> >
> >
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119. RE: [TS-520_820_530_830] Re: First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-01 14:16:32 UTC
From: Bill Gerhold
Topic: 102 Message: 119
Attachments: 1 described; binary payloads are missing from this source WARC

The use of ladder line or open wire line in the
shack will not introduce RF in the shack if properly
utilized or installed.

Ladder line or open wire lines are self shielding
because currents in the parallel feeders are 180 degrees
out of phase. Hence, cancellation of the signal takes
place and no radiation from the feeder. The law of
reciprocity also suggests that the line will not receive
any signals either or add a vertical component to the
signals (as some misguided amateurs suggest) in transmit
or receive. Very nearly full cancellation of incoming or
outgoing signals takes place. The bulk of "RF in the shack",
will come from proximity to the antenna and RF field it
presents.

However, cancellation will be true only for a fully balanced
antenna system and to a certain extent on the
interplay of the frequency used and distance (spacing)
of the parallel feeders.

Balanced means you are feeding the antenna at the
exact center of the dipole - hence, it is a balanced
antenna fed with balanced line. That is where we get
the term "Balanced Feeders" from.

RF in the shack is usually caused by the proximity of the
antenna to the electronics in the house. Electronics in
a strong RF field will act very strangely and can cause
damage to certain systems. Other reasons for RF in the
shack is an unbalanced antenna (not fed at the center)
causing a balanced feeder to radiate or feeding a long
wire antenna without a counterpoise. Again, no balance
in the system.

I run 1.5kw in my shack into ladder line and a dipole
(no coax or baluns) without any RF in the shack whatsoever
even though the ladder line is only 1-2 feet from all
other electronics. The antenna is about 50ft above the house.

Bottom line, RF in the shack is caused by a number of reasons
but not because one has decided to use open wire or ladder line.
It is the misapplication or incorrect installation of the feeder
line that causes the problems.

Bill (The other one)
K2WH

120. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-01 14:56:43 UTC
From: sparks98.g4kki
Topic: 102 Message: 120

Gavin,
great to hear from you and sorry to hear you have the same problem as me but it is one which
you can get round ! Iknow you are restricted to 10 watts with the m3 ticket but i ran qrp 2 or 3 watts for over 10
years and managed to work all over the globe,cw .
My magnetic loops are in the loft and the half size g5rv is an inverted v going from the gutter just outside my
upstairs shack to two insulators on top of the back yard wall about 6 feet off the ground.
If you want to send me your email address i will scan the details of the homemade magnetic loops and also the
info i have on the g5rv etc.
I don't have the problem you mention with the 50hz hum but i have heard someone else mention it but they
were'nt using a 530.

Cheers
another Bill !!!

Bill G4KKI
----- Original Message -----
From: G. Milligan
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, October 31, 2002 9:02 AM
Subject: Re: [TS-520_820_530_830] First station coming together - antenna help?

Bill (G4KKI)

I would be interested in how you have set up the configuration of your
half size G5RV and your home brew mag loops I also have a similar
problem with garden size. I am located in Coventry (almost directly in
the center of England to those you do not know it), so perhaps we could
hook up over the air at some point?

I have started to notice that when listening to morse on my TS-530 the
quality of the tone tends be masked by mains (50Hz) hum, I dont think
that all of them are noisy transmitters, I am wondering if their may be
a fault in the audio stage.

Have you ever noticed this on yours?

Perhaps I should open this to the group, could this be a leaky or dried
up capacitor in the audio stage?

Greg Milligan

G1CPU / M3BBP

>
> Hi Guys,
> been reading the mail with interest, welcome to the new members from here
> in Manchester,UK.
> My 530 is now behaving it's self thanks bill for your help whenn i needed it.
> all this talk about antennas has me going green. Here am in a city lot and my back yard
is
> 15 foot by 20 foot ! no front garden at all. Still with a half size g5rv in an inverted
vee shape
> plus a pair of home brewed magnetic loops i get out a signal.Some how it gets out world
wide.
> Keep your emails to the group going am building up a nice file of faults and cures.
>
> regards to all
>
> Bill G4KKI.

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121. Re: [TS-520_820_530_830] First station coming together - antenna help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-01 16:07:52 UTC
From: G. Milligan
Topic: 102 Message: 121

Thanks Bill, I'll mail you direct to keep the traffic low on the list

Greg G1CPU / M3BBP

>
> Gavin,
> great to hear from you and sorry to hear you have the same problem as me but it is one
which
> you can get round ! Iknow you are restricted to 10 watts with the m3 ticket but i ran qrp
2 or 3 watts for over 10
> years and managed to work all over the globe,cw .
> My magnetic loops are in the loft and the half size g5rv is an inverted v going from the
gutter just outside my
> upstairs shack to two insulators on top of the back yard wall about 6 feet off the
ground.
> If you want to send me your email address i will scan the details of the homemade
magnetic loops and also the
> info i have on the g5rv etc.
> I don't have the problem you mention with the 50hz hum but i have heard someone else
mention it but they
> were'nt using a 530.
>
> Cheers
> another Bill !!!
>
> Bill G4KKI

122. 11-07-02

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-08 05:07:06 UTC
From: w6ors@juno.com
Topic: 122 Message: 122

Bill,
Did you happen to remove me from the TS-520-820-530-830 list by mistake?
Since our last e-mail exchange, there hasn't been a posting and I miss
reading about my TS-820S's. Just checked and the last msg was dated 10/29

Hope all is well and that the pearly wisdom starts once again.
73,
Corky W6ORS

_____
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123. Re: [TS-520_820_530_830] 11-07-02

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-09 01:10:19 UTC
From: Bill
Topic: 122 Message: 123

Nope. you are on the list, set for individual emails,
and you aren't bouncing... not sure what the problem
is.

Check the archives to get caught up, there were a
bunch of posts around 10/31 and 11/1 regarding a first
antenna...

73

Bill

--- w6ors@... wrote:
> Bill,
> Did you happen to remove me from the
> TS-520-820-530-830 list by mistake?
> Since our last e-mail exchange, there hasn't been a
> posting and I miss
> reading about my TS-820S's. Just checked and the
> last msg was dated 10/29
>
> Hope all is well and that the pearly wisdom starts
> once again.
> 73,
> Corky W6ORS
>
>
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124. Test message for Corky

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-25 15:09:00 UTC
From: Bill Leahy
Topic: 124 Message: 124

See if you get this.

73

Bill

125. Re: [TS-520_820_530_830] Test message for Corky

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-26 08:10:30 UTC
From: w6ors@juno.com
Topic: 124 Message: 125

Yup. I'm back in Hilo (the last was posted from Volcano HI) and your msg
was waiting for me. Guess I'm going to have to stir up some activity.
Have 3 TS-820S in various states of disrepair so should be able to incite
something.
73 es tnx fer the help,
Corky

On Mon, 25 Nov 2002 15:09:00 -0000 "Bill Leahy" <coorsbill@...>
writes:
See if you get this.

73

Bill

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126. TS-820 Digital Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-11-26 10:23:24 UTC
From: Bill
Topic: 126 Message: 126

Does anyone know of a simple electrical test one can run on the
display tube on the TS-820 to determine whether it is good or bad?

I have (3) 820's and one of them currently receives but no display.

Bill
K2WH

127. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 15:19:13 UTC
From: Bill Leahy
Topic: 127 Message: 127

Welcome W2HLD to our group!

Tell us about your station and yourself.

73

Bill K0ZL

128. Hi, from the New Kid on the Block

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 16:54:10 UTC
From: w2hld
Topic: 128 Message: 128

Thank you for the welcome's... nice to be part of this group. I have owned, since 1980, a complete TS-830 station including the SM-220, TL-922, VFO 230, AT-230, and SP-230. Also have a couple of other stations... DSP... but enjoy using the 830 as much as the newer stuff. Info on my station, background and a station photo (does not include the 830 set up) is on QRZ.com.

73, Mike W2HLD
Plano Texas

129. SM-230 Station Monitor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 16:57:31 UTC
From: w2hld
Topic: 129 Message: 129

I have service manuals on just about all the 830 line, however need the service info for a SM-230. Anyone have the document?

73, Mike, W2HLD

130. Re: [TS-520_820_530_830] Hi, from the New Kid on the Block

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 18:58:09 UTC
From: Bill
Topic: 128 Message: 130

Thanks Mike. The 830 was a fine rig when it came out, and is still an "upper end" radio in my opinion. It's as quiet as the new high-end radios and the dual filters sure help.
b
w2hld <w2hld@...> wrote:Thank you for the welcome's... nice to be part of this group. I have
owned, since 1980, a complete TS-830 station including the SM-220,
TL-922, VFO 230, AT-230, and SP-230. Also have a couple of other
stations... DSP... but enjoy using the 830 as much as the newer stuff.
Info on my station, background and a station photo (does not include
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73, Mike W2HLD
Plano Texas

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131. Re: [TS-520_820_530_830] SM-230 Station Monitor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 19:03:30 UTC
From: Bill
Topic: 129 Message: 131

Will check for you when I get to the shop, Mike.
b
w2hld <w2hld@...> wrote:I have service manuals on just about all the 830 line, however need the service info for a SM-230. Anyone have the document?

73, Mike, W2HLD

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132. RE: [TS-520_820_530_830] SM-230 Station Monitor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-02 19:55:38 UTC
From: Bill Gerhold
Topic: 129 Message: 132
Attachments: 1 described; binary payloads are missing from this source WARC

I have the manual. What do you want to do?

K2WH

133. New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-13 19:47:27 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 133 Message: 133

Welcome WC0D, Robert Fay to our group!

73

Bill K0ZL

134. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-13 20:36:25 UTC
From: Gary & Carrie Meyer
Topic: 133 Message: 134

TO the Ham Group

Have not seen much on this group setting. I just bought my 530 on the internet about a month ago, from some fellow in Michigan. I am very pleased with the radio. I only have a Tech license so only use it for listening.
I was a novice about 35 years ago so a radio of this calibar is realy fun to work with. I can find the code stations very easily and then they stay in tune. On the old hallicrafters we used to copy code with one hand and tune with the other. Was still a lot of fun.

Merry Christmas to all

Gary KCØNPJ

135. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-14 00:20:08 UTC
From: Bill
Topic: 133 Message: 135

Hi Gary and Carrie,
Thanks for joining our little group. Yes the older radios are still a lot of fun. I have a TS-850 Kenwood and a Hallicrafters SX-117 receiver... guess which one gets turned on first, usually? hi hi
73
bill
Gary & Carrie Meyer <meyer@...> wrote: TO the Ham Group Have not seen much on this group setting. I just bought my 530 on the internet about a month ago, from some fellow in Michigan. I am very pleased with the radio. I only have a Tech license so only use it for listening. I was a novice about 35 years ago so a radio of this calibar is realy fun to work with. I can find the code stations very easily and then they stay in tune. On the old hallicrafters we used to copy code with one hand and tune with the other. Was still a lot of fun. Merry Christmas to all Gary KC?NPJ
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136. Re: New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-14 01:05:01 UTC
From: wc0d <robert.fay@unisys.com>
Topic: 133 Message: 136

Hi, I just found this group and I decided to look around. I have been a ham since 1992, although I first had a novice call in the early 60's when I was a kid. I first got a Yaesu FT747 which I have used for years for digital modes. I then picked up a Heathkit GR54, Hammarlund HQ-170, Hallicrafters SX-110 and SX101A, and now a Kenwood TS-520SE. I guess I like old radios much to the complaining of my wife.
I just got the 520 last week and I am sure I will have some questions as I get stuff ready to go on the air with it. Main thing I have to do is get a mike ready for it. I do have a mike with a Heil HC-5 element that I need to get a matching transformer before I use it.
Bob WC0D

--- In TS-520_820_530_830@yahoogroups.com, "Bill Leahy <coorsbill@y...>" <coorsbill@y...> wrote:
> Welcome WC0D, Robert Fay to our group!
>
> 73
>
> Bill K0ZL

137. Re: [TS-520_820_530_830] Re: New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-14 15:23:06 UTC
From: Bill
Topic: 133 Message: 137

Hi Bob.
I just sent you invite to another group,
http://groups.yahoo.com/group/tuberadio/
As for your wife, just tell her that all this old stuff you have is appreciating between 200 and 1000 percent faster than the rate of inflation, or the best rate you could get on a 5 year CD. That might help. I have been blessed with a great wife, Bonnie (KB0HTC) who loves the vintage stuff... she wired a new power cord to 1938 Coronado floor model and flipped the switch herself for the "smoke test"... worked right off the bat, and now she loves it! Try to get her involved with her own table model vintage receiver, see what happens.
bill K0ZL

"wc0d <robert.fay@...>" <robert.fay@...> wrote:Hi, I just found this group and I decided to look around. I have been
a ham since 1992, although I first had a novice call in the early
60's when I was a kid. I first got a Yaesu FT747 which I have used
for years for digital modes. I then picked up a Heathkit GR54,
Hammarlund HQ-170, Hallicrafters SX-110 and SX101A, and now a
Kenwood TS-520SE. I guess I like old radios much to the complaining
of my wife.
I just got the 520 last week and I am sure I will have some questions
as I get stuff ready to go on the air with it. Main thing I have to
do is get a mike ready for it. I do have a mike with a Heil HC-5
element that I need to get a matching transformer before I use it.
Bob WC0D

--- In TS-520_820_530_830@yahoogroups.com, "Bill Leahy
<coorsbill@y...>" <coorsbill@y...> wrote:
> Welcome WC0D, Robert Fay to our group!
>
> 73
>
> Bill K0ZL

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138. new members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-18 12:29:57 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 138 Message: 138

Welcome, Flytierforlife and Jose Pedro Alvarez to our group! Hope you enjoy it.

73!

Bill K0ZL

139. New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-18 17:41:25 UTC
From: jose_pedro_alvarez <josepedro@tcg.cl>
Topic: 64 Message: 139

Hello all,

I'm Jose Pedro, CA3RVF, in hot Santiago, Chile.
I have been a ham for about 10 years, although I wasnt active in the last 5 years due to antenna restrictions in my former apartment.
Now I moved to a little house where I can put up at least a couple of dipoles. And to celebrate it I got myself a nice HF station composed by a TS-820S, VFO-820, SP-830, AT-230 and the MC-50 mic. My ticket is restricted to 80, 40 and 10 meter bands, at least while I study to upgrade.

73's

J.P.

140. New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-18 17:42:25 UTC
From: jose_pedro_alvarez <josepedro@tcg.cl>
Topic: 64 Message: 140

Hello all,

I'm Jose Pedro, CA3RVF, in hot Santiago, Chile.
I have been a ham for about 10 years, although I wasnt active in the last 5 years due to antenna restrictions in my former apartment.
Now I moved to a little house where I can put up at least a couple of dipoles. And to celebrate it I got myself a nice HF station composed by a TS-820S, VFO-820, SP-830, AT-230 and the MC-50 mic. My ticket is restricted to 80, 40 and 10 meter bands, at least while I study to upgrade.

73's

J.P.

141. RE: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-18 18:21:54 UTC
From: Bill Gerhold
Topic: 64 Message: 141
Attachments: 1 described; binary payloads are missing from this source WARC

Nice setup. I myself have the very same setup
except, I added the SM-220 station monitor to the
station. If you can find one of these, it makes
an excellent addition to the 820s lineup.

K2WH

142. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-18 20:05:19 UTC
From: Bill
Topic: 64 Message: 142

Jose, bienvenidos a mi grupa!
Congrats on the new place, always best to have your own house to hang antennas around. That is great. Hope to hear you on 40 or 10m some time. I would hope in the future that all countries would allow the lower-class licensees access to 15M, that would be a sure way to help that band grow more popular. In the U.S., 15M has a novice CW band and that is where many hams get their first taste of DX.
I am going to put up a 15m antenna, probably within a week. Ten will be going out in a year or two and 15 should be quite useful for a few more years.
Also would like to operate AM on 15M as there is plenty of room for it.
73 JP and thanks again for joining.
Bill K0ZL
"jose_pedro_alvarez <josepedro@...>" <josepedro@...> wrote:Hello all,

I'm Jose Pedro, CA3RVF, in hot Santiago, Chile.
I have been a ham for about 10 years, although I wasnt active in the
last 5 years due to antenna restrictions in my former apartment.
Now I moved to a little house where I can put up at least a couple of
dipoles. And to celebrate it I got myself a nice HF station composed
by a TS-820S, VFO-820, SP-830, AT-230 and the MC-50 mic. My ticket
is restricted to 80, 40 and 10 meter bands, at least while I study to
upgrade.

73's

J.P.

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143. International Radio (INRAD) Performance enhancement Kits and other stuff

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-19 18:07:57 UTC
From: José Pedro Alvarez C.
Topic: 143 Message: 143

Hello All,

Thanks for the welcome to the group.

First of all I would like to apologize if my english is hard to understand. English is a second language for me and I dont have the opportunity to practice it as much as I would like to.

As soon as I got the TS-820 I ordered the 3 kits advertised in the INRAD home page. It turned out they only had the QRO kit and the Mixer kit. The RF kit was discontinued. Anyone here can comment on these kits? I will have the mixer kit installed one of there days (I'm not proficient enough in electronics to install it myself). The instructions on the QRO kit make a reference to 6293 tubes, with I understand are similar in performance to 6146B's but much more stronger, so I will install that kit with those tubes when the tubes the in rig start showing a decrease in performance.

This Saturday I will be installing my mast (12 meter telescopic guyed) and some antennas.
I haven't had time to build antennas yet so for HF I will be raising a commercial wideband folded dipole made by Yaesu, model YA-30, that a friend lent to me. Actually this antenna was from my former station that I sold to him when I moved to an apartment. Now he is moving and has the station in storage and I have the opportunity to use the antenna again.

There is very little reference for this kind of antennas in the Internet. They are expensive and directed to the commercial market. I got this one brand new very cheap (and I sold it very cheap also).

From an amateur point of view, it's a great antenna for field day or temporary locations. The only real benefit is to have all bands in one antenna that gives low enough SWR to use an internal auto tuner. It is a mediocre performer in all bands.

As soon as I get time to go buy some wire and heat the soldering iron I will make a G5RV that will have a far better performance for 10% of the cost.

So far I have only been able to use the TS-820 once. A few weekends ago when I went to my father's house in the beach, where he has trees and enough space. I raised a 40 meter dipole and had a blast. I got great reports on the audio and signal. The meter in the AT-230 was peaking around 110 watts while SSB transmission, full mic gain, no compressor, so I guess the tubes are still good.

73's

J.P.

144. 820 S finally working

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-20 00:46:23 UTC
From: vpoag <vpoag@columbus.rr.com>
Topic: 144 Message: 144

Dear Bill and the Group,

First, welcome to the new members. You have come to the right place. I wanted to update you on the 820s that finally is working after spending 3 months trying to fix it. Bill, you were correct about the 470 ohm resister on the power board. It was in fact bad and the bias returned after it was replaced. The biggest problem was the lack of transmit and that was fixed by replacing the relay on the af-avr unit. It took FOREVER to find the problem. Since it started working, there is one problem remaining. The digital frequency reads off by exactly 2 khz. If you or anyone in the group has an idea about how to correct this, it would be appreciated. Bill, thank you for your help and guidance on this. It has taken a long time, but it is a joy to work with the Kenwood. Again, thanks for your help.

Victor
Columbus, Ohio

145. Re: [TS-520_820_530_830] International Radio (INRAD) Performance enhancement Kits and other stuff

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-20 15:40:41 UTC
From: Bill
Topic: 143 Message: 145

Jose that is great, and your English is better than mine...
I hope to get some more ham time in the next few weeks... things are slowing down a bit on the work schedule.
Be careful with the mods you are speaking of. I don't know of any needs for a modificaiton to the mixer or RF stages,and while I have done the QRO mods on a couple of Kenwoods, I only saw an increase from 110 watts to 150 watts, and later one of them came back with the tubes fried and power supply damage, the owner wanted it put back in stock condition. He had used it a bit too long on TUNE mode I think!
Beware of "guilding the lily"... this is a phrase that means, the lily flower is pretty enough, why paint it with man-made gold paint? hi hi
Hope to see you on the air soon! Thanks for the post.
"Jos?_Pedro_Alvarez_C." <josepedro@...> wrote:Hello All,

Thanks for the welcome to the group.

First of all I would like to apologize if my english is hard to understand. English is a second language for me and I dont have the opportunity to practice it as much as I would like to.

As soon as I got the TS-820 I ordered the 3 kits advertised in the INRAD home page. It turned out they only had the QRO kit and the Mixer kit. The RF kit was discontinued. Anyone here can comment on these kits? I will have the mixer kit installed one of there days (I'm not proficient enough in electronics to install it myself). The instructions on the QRO kit make a reference to 6293 tubes, with I understand are similar in performance to 6146B's but much more stronger, so I will install that kit with those tubes when the tubes the in rig start showing a decrease in performance.

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There is very little reference for this kind of antennas in the Internet. They are expensive and directed to the commercial market. I got this one brand new very cheap (and I sold it very cheap also).

From an amateur point of view, it's a great antenna for field day or temporary locations. The only real benefit is to have all bands in one antenna that gives low enough SWR to use an internal auto tuner. It is a mediocre performer in all bands.

As soon as I get time to go buy some wire and heat the soldering iron I will make a G5RV that will have a far better performance for 10% of the cost.

So far I have only been able to use the TS-820 once. A few weekends ago when I went to my father's house in the beach, where he has trees and enough space. I raised a 40 meter dipole and had a blast. I got great reports on the audio and signal. The meter in the AT-230 was peaking around 110 watts while SSB transmission, full mic gain, no compressor, so I guess the tubes are still good.

73's

J.P.

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146. Re: [TS-520_820_530_830] 820 S finally working

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-20 15:52:25 UTC
From: Bill
Topic: 144 Message: 146

Congrats Victor! You are now in the 99th percentile of "hams that fix their own stuff"... the 2khz thing would be a counter issue, sounds like one of those solder joint issues on the divider unit...
b
"vpoag <vpoag@...>" <vpoag@...> wrote:Dear Bill and the Group,

First, welcome to the new members. You have come to the right place. I wanted to update you on the 820s that finally is working after spending 3 months trying to fix it. Bill, you were correct about the 470 ohm resister on the power board. It was in fact bad and the bias returned after it was replaced. The biggest problem was the lack of transmit and that was fixed by replacing the relay on the af-avr unit. It took FOREVER to find the problem. Since it started working, there is one problem remaining. The digital frequency reads off by exactly 2 khz. If you or anyone in the group has an idea about how to correct this, it would be appreciated. Bill, thank you for your help and guidance on this. It has taken a long time, but it is a joy to work with the Kenwood. Again, thanks for your help.

Victor
Columbus, Ohio

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147. seasons greetings

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-23 00:53:27 UTC
From: sparks98.g4kki
Topic: 147 Message: 147

Hello all,
may i wish all members of the group a very merry Christmas and a happy and peacefull New Year.
Look forward to working some of you on the bands.
Take care and enjoy the festivities

Cheers all

Bill Stevenson G4KKI - RSARS 1596 FISTS 7709

148. Re: seasons greetings

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-23 12:32:10 UTC
From: José Pedro Alvarez
Topic: 147 Message: 148

Thank you Bill, best wishes to you and your family, and to all the members of this list.

Merry Christmas and Happy New Year to all.

Jose CA3RVF

149. New members!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-23 16:30:31 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 149 Message: 149

Welcome VE4UD and others that have joined this past week.

Bill K0ZL

150. Re: [TS-520_820_530_830] seasons greetings

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 01:25:37 UTC
From: Bill
Topic: 147 Message: 150

Thanks Bill, you too, and the group also!
Just went for sleigh ride in our Rocky Mountains, man it was beautiful!
73
bill
"sparks98.g4kki" <sparks98.g4kki@...> wrote:Hello all, may i wish all members of the group a very merry Christmas and a happy and peacefull New Year.Look forward to working some of you on the bands.Take care and enjoy the festivities Cheers all Bill Stevenson G4KKI - RSARS 1596 FISTS 7709
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151. New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 11:07:32 UTC
From: arndgronenberg <arnd@gronenberg.com>
Topic: 64 Message: 151

Hello!

I just joined this group and would like to introduce myself:

I recently upgraded to a full HF license, my callsign is DJ9PZ and my name is Arnd. I'm located in the south western part of Germany, some 55km / 34mi south west of Frankfurt/Main (you may try http://map.findu.com/dj9pz).

My HF station consists of a TS-820 and an AT-200 connected to monoband dipole for 20m (which works also quite well on 10m). Due to decreased output of my TS-820, a closer inspection revealed that both cathode resistors (10R 1W) had increased and varying resistance because they were broken.

Furthermore, one of the capacitors connecting the cathode to ground was only soldered on one end. After replacement of the resistors, output power is up again, nevertheless I will have to check for bad solder joints and as one of the screen grid resistors is out of specification (110R instead of 100R +-5%), I will replace both of these resistors as well.

Finally I would like to wish all of you a Merry Christmas and a Happy New Year!

Vy 73 de Arnd DJ9PZ (and KC2EZE as well)

152. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 12:25:12 UTC
From: Gary & Carrie Meyer
Topic: 64 Message: 152

Happy holidays to all.

KCØNPJ
Gary

153. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 17:05:41 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 153 Message: 153

Welcome AE4HL to our Yahoo group! Please introduce yourself.. tell us of your station, your hobby interests, whatever.

Thanks for joining!

Bill K0ZL

154. Re: [TS-520_820_530_830] New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 17:19:56 UTC
From: Bill
Topic: 64 Message: 154

Hello Arnd, and Merry Christmas!
Fine on your 820. The screen resistors are not that critical, but if they show signs of distress or burns, by all means replace them. Both the screen resistors and the cathode resistors also act as fuses, preventing damage to the rest of the radio in case of cathode current overload or tube failure; so don't use higher wattage on these than what was in there.
I am concerned about your 20M dipole, also working at 10M, are you sure of this? Does it have traps for 10M or are you using the tuner for 10M? The reason I ask is that on 10M, the 20M dipole represents a very high impedance, and this could translate to great difficulty for the tuner and/or the radio. If you have not had problems with these so far, it's probably ok...
73!
Bill
"arndgronenberg <arnd@...>" <arnd@...> wrote:Hello!

I just joined this group and would like to introduce myself:

I recently upgraded to a full HF license, my callsign is DJ9PZ and my name is Arnd. I'm located in the south western part of Germany, some 55km / 34mi south west of Frankfurt/Main (you may try http://map.findu.com/dj9pz).

My HF station consists of a TS-820 and an AT-200 connected to monoband dipole for 20m (which works also quite well on 10m). Due to decreased output of my TS-820, a closer inspection revealed that both cathode resistors (10R 1W) had increased and varying resistance because they were broken.

Furthermore, one of the capacitors connecting the cathode to ground was only soldered on one end. After replacement of the resistors, output power is up again, nevertheless I will have to check for bad solder joints and as one of the screen grid resistors is out of specification (110R instead of 100R +-5%), I will replace both of these resistors as well.

Finally I would like to wish all of you a Merry Christmas and a Happy New Year!

Vy 73 de Arnd DJ9PZ (and KC2EZE as well)

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155. Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-24 17:56:23 UTC
From: Jingofl <ae4hl@earthlink.net>
Topic: 155 Message: 155

My name is Jim Kauppila AE4HL. We live in the northern part of Florida outside of a little town called Bronson. I've been a ham since 1995 but at our previous QTH (Tampa) deed restrictions limited my activity. My wife gave me a wonderful and expensive birthday present in 2000, an ICOM IC-746. Unfortunately, a direct lightning hit to my wire antenna destroyed that radio. I then bought a little dual band Patcomm 15 watt HF rig. This is what I'm using now but I've been wanting a more substantial rig. After reading the glowing reviews on eham.net and finding a clean rig on ebay, I decided to take a chance and purchase a 20 year old TS-520SE. I'm anxiously awaiting it's arrival. You can see the rig here: http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1945676084 I've also purchased a JPS NIR-12 outboard DSP unit to use with the radio. I recently purchased a Heil HMM-Y dual cartridge hand mic to use with the Patcomm and Heil said to return it and they will exchange it for a 4pin Kenwood model and add a transformer if needed to match the high Z input of the TS-520SE. I can't wait to get the radio and am glad I found this group.

Merry Christmas and Happy Holidays to all

Jim
AE4HL

156. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-25 01:40:52 UTC
From: f x
Topic: 155 Message: 156

Hey Jim,
Welcome and Merry Christmas... Florida, and Tampa especially is the lightning capital of the U.S. And while nothing will stop a direct hit, there are some things that will help... a really GOOD DC Ground...with braid straps to ground rods... and you might consider wiring an antenna relay in such a manner that when you leave the shack and turn off the "big switch" it grounds the antennas, and the input to the rig through separate paths... just a though..

Had a TS-520 for a couple of years.. it was a loaner.. liked it so much that I returned it to its owner and bought an 830... worked lots of contacts and D\x (my passion) with the 520... you will have a great time with it... Old doesn't mean no good.

73
Raleigh
NY0Y
"Jingofl <ae4hl@...>" <ae4hl@...> wrote:My name is Jim Kauppila AE4HL. We live in the northern part of
Florida outside of a little town called Bronson. I've been a ham
since 1995 but at our previous QTH (Tampa) deed restrictions limited
my activity. My wife gave me a wonderful and expensive birthday
present in 2000, an ICOM IC-746. Unfortunately, a direct lightning
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high Z input of the TS-520SE. I can't wait to get the radio and am
glad I found this group.

Merry Christmas and Happy Holidays to all

Jim
AE4HL

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157. Re: New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-25 10:03:34 UTC
From: arndgronenberg <arnd@gronenberg.com>
Topic: 64 Message: 157

Hello Bill,

thank you very much for the warm welcome!

I know that using the dipole for 20m on 10m usually represents a high resistance but using the antenna tuner it is tuned easily to 1:1.5. The reasons may be that the dipole is mounted in the attic underneath the roof (due to overhead electric power lines 400V). On 20m I had to cut it considerably shorter than normally required (it is approx. 9.6m / 31 1/2' long) to get a decent SWR, the reasons may be the electric power lines (approx. 4m / 13' above the dipole in parallel) and a 19 element yagi for 430MHz (approx 2m / 6 1/2' above the dipole in parallel). A NEC simulation would have asked for a 10.2m / 33 1/2' long dipole).

Due to this environmental situation, a simulation using NEC will be quite difficult...

The dipole is made from RG-58 (using the braid), at the feed point there is a coaxial balun (collins balun) (3.5 + 3.5 turns of RG-58, diameter of 10cm / 4").

I had no problems working the US (1,3,8) Russia and Mauritius with very good reports. The output power is approx. 90W and the SWR around 1:1.5.

Vy 73, Arnd (DJ9PZ)

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
[...]
> I am concerned about your 20M dipole, also working at 10M, are you sure of this? Does it have traps for 10M or are you using the tuner for 10M? The reason I ask is that on 10M, the 20M dipole represents a very high impedance, and this could translate to great difficulty for the tuner and/or the radio. If you have not had problems with these so far, it's probably ok...
[...]

158. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-25 15:15:55 UTC
From: Bill
Topic: 155 Message: 158

Jim, congrats on the "new" rig!!! Looks like a winner.
If you don't mind, I would like to use the eBay picture of your new rig for the club picture.
Just heard a TS-830 on AM, didn't know you could run AM on the 830!
73 and enjoy the group!
Bill K0ZL
"Jingofl <ae4hl@...>" <ae4hl@...> wrote:My name is Jim Kauppila AE4HL. We live in the northern part of
Florida outside of a little town called Bronson. I've been a ham
since 1995 but at our previous QTH (Tampa) deed restrictions limited
my activity. My wife gave me a wonderful and expensive birthday
present in 2000, an ICOM IC-746. Unfortunately, a direct lightning
hit to my wire antenna destroyed that radio. I then bought a little
dual band Patcomm 15 watt HF rig. This is what I'm using now but
I've been wanting a more substantial rig. After reading the glowing
reviews on eham.net and finding a clean rig on ebay, I decided to
take a chance and purchase a 20 year old TS-520SE. I'm anxiously
awaiting it's arrival. You can see the rig here:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1945676084 I've
also purchased a JPS NIR-12 outboard DSP unit to use with the radio.
I recently purchased a Heil HMM-Y dual cartridge hand mic to use with
the Patcomm and Heil said to return it and they will exchange it for
a 4pin Kenwood model and add a transformer if needed to match the
high Z input of the TS-520SE. I can't wait to get the radio and am
glad I found this group.

Merry Christmas and Happy Holidays to all

Jim
AE4HL

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159. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-25 15:24:48 UTC
From: Bill
Topic: 155 Message: 159

Thanks to God for that! hi hi
K0ZL (age 48, ham 25 yrs)
f x <dawnlight1491@...> wrote:
Hey Jim,
...
Old doesn't mean no good.

73
Raleigh
NY0Y

see our website www.amateur-repairs.com

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160. Re: [TS-520_820_530_830] Re: New member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-25 15:30:21 UTC
From: Bill
Topic: 64 Message: 160

Hi Arnd,
Sounds like you have a good handle on the situation. Congrats on the DX that is great!
I am running wire loops here, 10 and 20m, they work great but they aren't high enough to do real well on DX. Sure can cover coast to coast in the US though, and that is important to me.
73!
Bill K0ZL (Denver CO)
"arndgronenberg <arnd@...>" <arnd@...> wrote:Hello Bill,

thank you very much for the warm welcome!

I know that using the dipole for 20m on 10m usually represents a high resistance but using the antenna tuner it is tuned easily to 1:1.5. The reasons may be that the dipole is mounted in the attic underneath the roof (due to overhead electric power lines 400V). On 20m I had to cut it considerably shorter than normally required (it is approx. 9.6m / 31 1/2' long) to get a decent SWR, the reasons may be the electric power lines (approx. 4m / 13' above the dipole in parallel) and a 19 element yagi for 430MHz (approx 2m / 6 1/2' above the dipole in parallel). A NEC simulation would have asked for a 10.2m / 33 1/2' long dipole).

Due to this environmental situation, a simulation using NEC will be quite difficult...

The dipole is made from RG-58 (using the braid), at the feed point there is a coaxial balun (collins balun) (3.5 + 3.5 turns of RG-58, diameter of 10cm / 4").

I had no problems working the US (1,3,8) Russia and Mauritius with very good reports. The output power is approx. 90W and the SWR around 1:1.5.

Vy 73, Arnd (DJ9PZ)

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
[...]
> I am concerned about your 20M dipole, also working at 10M, are you sure of this? Does it have traps for 10M or are you using the tuner for 10M? The reason I ask is that on 10M, the 20M dipole represents a very high impedance, and this could translate to great difficulty for the tuner and/or the radio. If you have not had problems with these so far, it's probably ok...
[...]

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161. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-26 02:53:32 UTC
From: f x
Topic: 155 Message: 161

Well... as W. C. Fields would say.... a mere wisp of a lad!!!

I am 62, and was first licensed in 1957.. when I was 16.. then I was KN9CVW.. many years later when I upgraded to Extra, I got the present 2-1 call... I am likely to get an assignment to Singapore soon. May consider becomin DX myself.. there is reciprocal licensing.. but as Paul Harvery says... and now the rest of the story... it is difficult to meet all the beauracratic standards... and actally get on the air .. and antennas are a HUGE problem unless you are a homeowner.. (just finished a 7 year assignement there...)... anyway... Merry Christmas to all...
Raleigh
NYOY
Bill <coorsbill@...> wrote:
Thanks to God for that! hi hi
K0ZL (age 48, ham 25 yrs)
f x <dawnlight1491@...> wrote:
Hey Jim,
...
Old doesn't mean no good.

73
Raleigh
NY0Y

see our website www.amateur-repairs.com

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162. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-26 04:59:37 UTC
From: Bill
Topic: 155 Message: 162

Thanks Raleigh for the perspective!
We have many DX members of the group here.
73!
Bill
f x <dawnlight1491@...> wrote:
Well... as W. C. Fields would say.... a mere wisp of a lad!!!

I am 62, and was first licensed in 1957.. when I was 16.. then I was KN9CVW.. many years later when I upgraded to Extra, I got the present 2-1 call... I am likely to get an assignment to Singapore soon. May consider becomin DX myself.. there is reciprocal licensing.. but as Paul Harvery says... and now the rest of the story... it is difficult to meet all the beauracratic standards... and actally get on the air .. and antennas are a HUGE problem unless you are a homeowner.. (just finished a 7 year assignement there...)... anyway... Merry Christmas to all...
Raleigh
NYOY
Bill <coorsbill@...> wrote:
Thanks to God for that! hi hi
K0ZL (age 48, ham 25 yrs)
f x <dawnlight1491@...> wrote:
Hey Jim,
...
Old doesn't mean no good.

73
Raleigh
NY0Y

see our website www.amateur-repairs.com

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163. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-27 15:12:07 UTC
From: Gary & Carrie Meyer
Topic: 155 Message: 163

Gentleman

I have a TS530s that I just bought. I like the way the radio works. Its stable, tunnes easily,with good audio. Now my question is, What do the new radios, like the 570 do that these older radios can't do?
Thanks

KCØNPJ Gary

164. Re: [TS-520_820_530_830] Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-27 19:01:47 UTC
From: Bill
Topic: 155 Message: 164

General coverage, FM (only usable on top end of 10M but boy is it fun!), much easier to take portable for Field Day...
b
Gary & Carrie Meyer <meyer@...> wrote:Gentleman I have a TS530s that I just bought. I like the way the radio works. Its stable, tunnes easily,with good audio. Now my question is, What do the new radios, like the 570 do that these older radios can't do? Thanks KC?NPJ Gary
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165. Neutralize TS-830S finals? (New member to list)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-29 04:48:26 UTC
From: RamAirRocket <ramairrocket@yahoo.com>
Topic: 165 Message: 165

I am new to the list, and I was wondering if someone can help. I can't find my Service Manual and I need to neutralize the finals in my TS-830S.

When I got the rig I was told it had new 6146B's in it (confirmed, they are B's and they 'look' new).

But very low power out. Best I have seen is 9W.

I was told that the tubes hadn't been neutralized. Can someone scan or email the proceedure to neutralize the finals?

Or offer any other advice on what might be the problem?
Confirmed HV is present on the plate itself with a DMM, which did correlate with the front panel readings.

73's!
Thomas Martin
N0DIH

166. Re: [TS-520_820_530_830] Neutralize TS-830S finals? (New member to list)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-29 06:49:52 UTC
From: f x
Topic: 165 Message: 166

Hi,

Sounds to me like you have not enough drive... also you might want to check the screen and grid voltages first.. Neutralization would be a last step, and not likely the culprit with low output...

regards
NYOY
"RamAirRocket <ramairrocket@...>" <ramairrocket@...> wrote:I am new to the list, and I was wondering if someone can help. I
can't find my Service Manual and I need to neutralize the finals in
my TS-830S.

When I got the rig I was told it had new 6146B's in it (confirmed,
they are B's and they 'look' new).

But very low power out. Best I have seen is 9W.

I was told that the tubes hadn't been neutralized. Can someone
scan or email the proceedure to neutralize the finals?

Or offer any other advice on what might be the problem?
Confirmed HV is present on the plate itself with a DMM, which
did correlate with the front panel readings.

73's!
Thomas Martin
N0DIH

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167. Re: [TS-520_820_530_830] Neutralize TS-830S finals? (New member to list)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-29 15:59:15 UTC
From: Bill
Topic: 165 Message: 167

Those pesky 100 ohm screen resistor "fuses" do like to open up, and sometimes only on one tube. Careful, if one is burned, don't upsize it... you will loose the fuse effect.
Also check the screen supply from the HI voltage unit, sometimes that 470 ohm resistor-fuse likes to open also. Same deal on the wattage, don't "upsize" it...
NY0Y is right, fix the power thing first then nuetralize.
b
f x <dawnlight1491@...> wrote:
Hi,

Sounds to me like you have not enough drive... also you might want to check the screen and grid voltages first.. Neutralization would be a last step, and not likely the culprit with low output...

regards
NYOY
"RamAirRocket <ramairrocket@...>" <ramairrocket@...> wrote: I am new to the list, and I was wondering if someone can help. I
can't find my Service Manual and I need to neutralize the finals in
my TS-830S.

When I got the rig I was told it had new 6146B's in it (confirmed,
they are B's and they 'look' new).

But very low power out. Best I have seen is 9W.

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168. Re: Neutralize TS-830S finals? (New member to list)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-29 20:51:26 UTC
From: arndgronenberg <arnd@gronenberg.com>
Topic: 165 Message: 168

Hello!

In addition, please check the two 10 Ohm / 1W cathode resistors (as they are parallel, the resistance between the final tubes cathodes and ground should be 5 Ohm). If they are somehow broken (and their resistance is higher), the meter shows a too high plate current... When tuning the finals for maximum allowed plate current you will end up with reduced output power...

Vy 73, Arnd DJ9PZ / KC2EZE

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
>
> Those pesky 100 ohm screen resistor "fuses" do like to open up, and sometimes only on one tube. Careful, if one is burned, don't upsize it... you will loose the fuse effect.
> Also check the screen supply from the HI voltage unit, sometimes that 470 ohm resistor-fuse likes to open also. Same deal on the wattage, don't "upsize" it...
> NY0Y is right, fix the power thing first then nuetralize.

169. Re: Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 07:21:10 UTC
From: snorkyp <snorkyp@yahoo.com>
Topic: 155 Message: 169

Hi Gary!

This line of radio's are GREAT! I have owned a TS-820S, A TS-530S and now have a TS-520S. I have also had a TS-570DG, so can do a direct comparison.

These older radios are really built to last. They include a power supply and an inherent 'tuner' of sorts; Not to mention a SOLID metal case. Alot of newer rigs do not include a built in power supply or tuner and most are made of plastic.

The 520 line does not have an inherent digital frequency counter, but the analog dial works fine.

BTW, I found a place online selling counters JUST for these rigs, altho the price tag is a bit steep ($150ish). Some good working 520's themselves sell for this amount.

The older kenwood rigs do not do AM without modification (and then only receive SSB). They also do not have FM or wide band receivers as Bill mentioned.

Mainly, the newer rigs have alot of bells and whistles, but the irony is that the older Kenwood rigs sound as good or better on TX audio and receive as well as any other new fangled fancy do-dad rig.

With no DSP I simply use my RF GAIN to filter out the sound floor noise and get very clear and clean and LOUD audio.

These rigs tune my 80 meter dipole on 80-20-10 meters and my 40 meter dipole on 40 and 15 meters.

BTW, these rigs seem to not be too picky about the mic(s) you use. Hi or lo impedence mics all seem to sound fine.

And finally, the bottom line. For very few $ you can be in the HF world talking locally and around the world and just having a good ol time.

73 - Ed - KF6YKM

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" <meyer@b...> wrote:
> Gentleman
>
> I have a TS530s that I just bought. I like the way the radio works. Its stable, tunnes easily,with good audio. Now my question is, What do the new radios, like the 570 do that these

older radios can't do?
> Thanks
>
> KCØNPJ Gary

170. Re: [TS-520_820_530_830] Re: Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 14:53:30 UTC
From: Bill
Topic: 155 Message: 170

All the new K'wood, and most of the Icom and Yaesu gear are all steel covers and chassis. Low end rigs have plastic cases, they aren't too bad, good to get someone started ... I like vintage rigs, and I have a TS-850 running right alongside of them. Best of both worlds! 73....
"snorkyp <snorkyp@...>" <snorkyp@...> wrote:Hi Gary!

This line of radio's are GREAT! I have owned a TS-820S, A TS-530S and now have a TS-520S. I have also had a TS-570DG, so can do a direct comparison.

These older radios are really built to last. They include a power supply and an inherent 'tuner' of sorts; Not to mention a SOLID metal case. Alot of newer rigs do not include a built in power supply or tuner and most are made of plastic.

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BTW, I found a place online selling counters JUST for these rigs, altho the price tag is a bit steep ($150ish). Some good working 520's themselves sell for this amount.

The older kenwood rigs do not do AM without modification (and then only receive SSB). They also do not have FM or wide band receivers as Bill mentioned.

Mainly, the newer rigs have alot of bells and whistles, but the irony is that the older Kenwood rigs sound as good or better on TX audio and receive as well as any other new fangled fancy do-dad rig.

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And finally, the bottom line. For very few $ you can be in the HF world talking locally and around the world and just having a good ol time.

73 - Ed - KF6YKM

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" <meyer@b...> wrote:
> Gentleman

>
> I have a TS530s that I just bought. I like the way the
radio works. Its stable, tunnes easily,with good audio. Now my
question is, What do the new radios, like the 570 do that these
older radios can't do?
> Thanks
>
> KC?NPJ Gary

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171. [TS-520_820_530_830] Re: Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 16:19:53 UTC
From: Robert Mackie
Topic: 155 Message: 171

What a wonderful review Ed - KF6YKM has given on the older Kenwoods! After owning and operating one of these radios one begins to wonder just how necessary all of the "advanced" features are in the new rigs. And durability? There's no comparison! If you're really interested in a counter for your radio, try Allmost All Digital Electronics in Auburn, WA. http://www.aade.com/#dfd 73 Bob - N0CDY --- On Mon 12/30, snorkyp < snorkyp@... > wrote:From: snorkyp [mailto: snorkyp@...]To: TS-520_820_530_830@yahoogroups.comDate: Mon, 30 Dec 2002 07:21:10 -0000Subject: [TS-520_820_530_830] Re: Soon to be owner of TS-520SEHi Gary!This line of radio's are GREAT! I have owned a TS-820S, A TS-530S and now have a TS-520S. I have also had a TS-570DG, so can do a direct comparison.These older radios are really built to last. They include a power supply and an inherent 'tuner' of sorts; Not to mention a SOLID metal case. Alot of newer rigs do not include a built in power supply or tuner and most are made of plastic.The 520 line does not have an inherent digital frequency counter, but the analog dial works fine.BTW, I found a place online selling counters JUST for these rigs, altho the price tag is a bit steep ($150ish). Some good working 520's themselves sell for this amount.The older kenwood rigs do not do AM without modification (and then only receive SSB). They also do not have FM or wide band receivers as Bill mentioned.Mainly, the newer rigs have alot of bells and whistles, but the irony is that the older Kenwood rigs sound as good or better on TX audio and receive as well as any other new fangled fancy do-dad rig.With no DSP I simply use my RF GAIN to filter out the sound floor noise and get very clear and clean and LOUD audio.These rigs tune my 80 meter dipole on 80-20-10 meters and my 40 meter dipole on 40 and 15 meters.BTW, these rigs seem to not be too picky about the mic(s) you use. Hi or lo impedence mics all seem to sound fine.And finally, the bottom line. For very few $ you can be in the HF world talking locally and around the world and just having a good ol time.73 - Ed - KF6YKM--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" wrote:> Gentleman> > I have a TS530s that I just bought. I like the way the radio works. Its stable, tunnes easily,with good audio. Now my question is, What do the new radios, like the 570 do that these older radios can't do?> Thanks> > KC?NPJ GaryTo unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.comYour use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

_____
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172. Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 17:00:31 UTC
From: Charles Feigley
Topic: 172 Message: 172

Hello to all on the group.
My name is Charlie and I am some what new
to this group.
I am the proud owner of a TS-520SE with the
matching VFO-520S vfo and the SP-520 speaker.
I am presently looking for the matching AT-200
antenna tuner.
What can I say about this radio other than I
am having a blast. It is not my only radio, but it
is the most used.
Every one have a safe holiday and i will be looking
forward to future post from everyone
Take Care,
Charlie

173. Re: [TS-520_820_530_830] Re: Soon to be owner of TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 21:18:04 UTC
From: Bill
Topic: 155 Message: 173

Hi Bob, thanks for the link. I have boatanchor rigs and would love digital display for some functions.
As for durability, one is going to be hard pressed to exceed the standard set by (gasp) the Yaesu FT-1000 series! As popular as they are, I have only had three in the shop, and the highest repair bill was under $200.00, that for a lightning damage repair!
Hate to burst your bubble. But, the vintage rigs are also very reliable, if properly taken care of.
BTW the 520/820/530/830 rigs do need to be serviced occasionally for cleaning, lubrication and alignment. I recommend two years, but I own a shop! Most rigs come in about every 5-10 years.
The best thing you can do for your vintage rig, besides giving it a good blowout (preferably outside!) and lubing the fan bearings (yes, you have to remove the fan to do this!) is to QUIT SMOKING if you do smoke. This is the single biggest killer of hams and their gear is cigarette smoke. Repair costs for smokers rigs in my shop is about double that of a non smoker that keeps his rig fairly clean (except for the dust bunnies of course).
The next best thing is to buy a VERY GOOD surge suppressor. Tube gear (and don't forget, this series is mostly solid state) is also prone to damage from line transients. I use the Isobar series and the APC UPSes, they are not cheap.. Figure on spending at least $49.00 USD for a good one. Stay away from the 9.95 specials. Might as well use an extension cord.
73!
Bill
Robert Mackie <bomack@...> wrote:What a wonderful review Ed - KF6YKM has given on the older Kenwoods! After owning and operating one of these radios one begins to wonder just how necessary all of the "advanced" features are in the new rigs. And durability? There's no comparison!

If you're really interested in a counter for your radio, try Allmost All Digital Electronics in Auburn, WA. http://www.aade.com/#dfd

73

Bob - N0CDY

--- On Mon 12/30, snorkyp < snorkyp@... > wrote:

From: snorkyp [mailto: snorkyp@...]
To: TS-520_820_530_830@yahoogroups.com
Date: Mon, 30 Dec 2002 07:21:10 -0000
Subject: [TS-520_820_530_830] Re: Soon to be owner of TS-520SE

Hi Gary!

This line of radio's are GREAT! I have owned a TS-820S, A TS-530S
and now have a TS-520S. I have also had a TS-570DG, so can do a
direct comparison.

These older radios are really built to last. They include a power supply and an inherent 'tuner' of sorts; Not to mention a SOLID metal case. Alot of newer rigs do not include a built in power supply or tuner and most are made of plastic.

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BTW, I found a place online selling counters JUST for these rigs, altho the price tag is a bit steep ($150ish). Some good working 520's themselves sell for this amount.

The older kenwood rigs do not do AM without modification (and then only receive SSB). They also do not have FM or wide band receivers as Bill mentioned.

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With no DSP I simply use my RF GAIN to filter out the sound floor noise and get very clear and clean and LOUD audio.

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And finally, the bottom line. For very few $ you can be in the HF world talking locally and around the world and just having a good ol time.

73 - Ed - KF6YKM

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" wrote:
> Gentleman
>
> I have a TS530s that I just bought. I like the way the radio works. Its stable, tunnes easily,with good audio. Now my question is, What do the new radios, like the 570 do that these older radios can't do?
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> KC?NPJ Gary

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174. hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 21:26:14 UTC
From: Bill
Topic: 26 Message: 174

Hey Charlie, welcome to the group!

The 'SE is a handsome rig ain't it? Has man-hand-sized controls too.

73

Bill K0ZL

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175. ANOTHER new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 23:33:58 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 175 Message: 175

Welcome WB6POD!!! Any relation to the band? One of my favorites... My kids can't believe I like them (POD that is)!

Introduce yourself OM!

73

Bill K0ZL

176. RE: [TS-520_820_530_830] ANOTHER new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 13:47:26 UTC
From: Bill
Topic: 175 Message: 176

I am somewhat miffed. I have noticed all the recent new member accolades, and I didn't get squat! I'm a new member and no one acknowledged me with overflowing flowery admiration.

Anyway, I have (3) Kenwood TS-820s's (1) Kenwood TS-520, (1) Kenwood SM-220, (1) Kenwood SP-520, (1) Kenwood VFO-520s, (2) Kenwood's VFO-802's. So there you have it. You may now send all the accolades I richly deserve.

K2WH

-----Original Message-----
From: Bill Leahy <coorsbill@...> [mailto:coorsbill@...]
Sent: Tuesday, December 31, 2002 4:34 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ANOTHER new member!

Welcome WB6POD!!! Any relation to the band? One of my favorites... My kids can't believe I like them (POD that is)!

Introduce yourself OM!

73

Bill K0ZL

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177. RE: [TS-520_820_530_830] ANOTHER new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-30 13:55:23 UTC
From: Bill
Topic: 175 Message: 177

Oh, and I also have (1) Kenwood SP-820 and actually (2) Kenwood VFO-820's not 802's.

K2WH

-----Original Message-----
From: Bill [mailto:k2wh@...]
Sent: Monday, December 30, 2002 18:47 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] ANOTHER new member!

I am somewhat miffed. I have noticed all the recent new member accolades, and I didn't get squat! I'm a new member and no one acknowledged me with overflowing flowery admiration.

Anyway, I have (3) Kenwood TS-820s's (1) Kenwood TS-520, (1) Kenwood SM-220, (1) Kenwood SP-520, (1) Kenwood VFO-520s, (2) Kenwood's VFO-802's. So there you have it. You may now send all the accolades I richly deserve.

K2WH

-----Original Message-----
From: Bill Leahy <coorsbill@...> [mailto:coorsbill@...]
Sent: Tuesday, December 31, 2002 4:34 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ANOTHER new member!

Welcome WB6POD!!! Any relation to the band? One of my favorites... My kids can't believe I like them (POD that is)!

Introduce yourself OM!

73

Bill K0ZL

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178. RE: [TS-520_820_530_830] ANOTHER new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-31 15:26:06 UTC
From: Bill
Topic: 175 Message: 178

Sorry Bill.
I am the only moderator on this group, and when things get real busy around here I tend to miss new ones sometimes. Hey, wanna help moderate? hehe
Hey, nice layout you have there. Welcome to the group.
Bill K0ZL
Bill <k2wh@...> wrote:I am somewhat miffed. I have noticed all the recent new member accolades,
and I didn't get squat! I'm a new member and no one acknowledged me with
overflowing flowery admiration.

Anyway, I have (3) Kenwood TS-820s's (1) Kenwood TS-520, (1) Kenwood SM-220,
(1) Kenwood SP-520, (1) Kenwood VFO-520s, (2) Kenwood's VFO-802's. So there
you have it. You may now send all the accolades I richly deserve.

K2WH

-----Original Message-----
From: Bill Leahy <coorsbill@...> [mailto:coorsbill@...]
Sent: Tuesday, December 31, 2002 4:34 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ANOTHER new member!

Welcome WB6POD!!! Any relation to the band? One of my favorites... My
kids can't believe I like them (POD that is)!

Introduce yourself OM!

73

Bill K0ZL

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179. RE: [TS-520_820_530_830] ANOTHER new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-31 19:33:53 UTC
From: Robert Mackie
Topic: 175 Message: 179

Hey! How 'bout me?! Bob - N0CDYMineral, WA. (near Mt. Ranier) TS-520SETS-530SSP-31(Want more Accessories!) --- On Tue 12/31, Bill < coorsbill@... > wrote:From: Bill [mailto: coorsbill@...]To: TS-520_820_530_830@yahoogroups.comDate: Tue, 31 Dec 2002 07:26:06 -0800 (PST)Subject: RE: [TS-520_820_530_830] ANOTHER new member!
Sorry Bill.
I am the only moderator on this group, and when things get real busy around here I tend to miss new ones sometimes. Hey, wanna help moderate? hehe
Hey, nice layout you have there. Welcome to the group.
Bill K0ZL
Bill wrote:
I am somewhat miffed. I have noticed all the recent new member accolades,and I didn't get squat! I'm a new member and no one acknowledged me withoverflowing flowery admiration.Anyway, I have (3) Kenwood TS-820s's (1) Kenwood TS-520, (1) Kenwood SM-220,(1) Kenwood SP-520, (1) Kenwood VFO-520s, (2) Kenwood's VFO-802's. So thereyou have it. You may now send all the accolades I richly deserve.K2WH-----Original Message-----From: Bill Leahy [mailto:coorsbill@...]Sent: Tuesday, December 31, 2002 4:34 AMTo: TS-520_820_530_830@yahoogroups.comSubject: [TS-520_820_530_830] ANOTHER new member!Welcome WB6POD!!! Any relation to the band? One of my favorites... Mykids can't believe I like them (POD that is)!Introduce yourself OM!73Bill K0ZLTo unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.comYour use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/To unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.comYour use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
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180. VFO-820 Problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-31 20:34:55 UTC
From: Bill Evans
Topic: 180 Message: 180

I have a VFO-820 that has always (since purchasing it new in about 1980) been "hard to start" when switching over from the main VFO in my TS-820S. Normally a " tap" on the top of the case will get it going and it stays on until I switch back to the internal VFO. I have had the unit apart several times - resoldering and checking connections, cleaning relay and switch (Deoxit) contacts, reseating the cable to the 820, etc: Never have found the problem, much to my chagrin.

Lately things have been getting worse. Some instability in the VFO-820 frequency (warbling) and it now takes a solid "rap" to turn it on.

Has anyone got any suggestions?

Bill VE4UD

181. RE: [TS-520_820_530_830] VFO-820 Problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2002-12-31 11:10:47 UTC
From: Bill
Topic: 180 Message: 181

Check the rear bearing area of the main tuning cap in the VFO. The
electrical spring copper contact gets very dirty and starts losing contact.
The cure for this is a small spray of contact cleaner and then a very thin
contact file. Take care not to bend he spring copper. This should solve
your problem because you seem to have done everything else.

Bill
k2WH

-----Original Message-----
From: Bill Evans [mailto:bevans@...]
Sent: Wednesday, January 01, 2003 1:35 AM
To: REFLECTOR -Yahoo 520_820_830
Subject: [TS-520_820_530_830] VFO-820 Problems

I have a VFO-820 that has always (since purchasing it new in
about 1980) been "hard to start" when switching over from
the main VFO in my TS-820S. Normally a " tap" on the top of
the case will get it going and it stays on until I switch
back to the internal VFO. I have had the unit apart several
times - resoldering and checking connections, cleaning relay
and switch (Deoxit) contacts, reseating the cable to the
820, etc: Never have found the problem, much to my chagrin.

Lately things have been getting worse. Some instability in
the VFO-820 frequency (warbling) and it now takes a solid
"rap" to turn it on.

Has anyone got any suggestions?

Bill VE4UD

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182. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-05 20:25:43 UTC
From: Gary Rogers
Topic: 182 Message: 182

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183. TS-520S Power Cable Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-09 16:11:25 UTC
From: Perry Clisbee
Topic: 183 Message: 183

Hi,
I need a DC power cable for my TS-520S Xcvr.
73
Bing, kg7sf

184. 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 11:28:00 UTC
From: k2uod <k2uod@hotmail.com>
Topic: 184 Message: 184

I currently have two 830s xcvrs and love them. One has developed a quirk. I do not get any output (no ALC level)when the bandswitch is in the 28.0 or 28.5 MHZ position. The rig runs beautifully (around 100 watts out) on all other bandswitch positions (including the balance of the 10 meter band-- 29.0 and 29.5-- which are different bandswitch positions). Any thoughts on a remedy?

73, Keith K2UOD

185. RE: [TS-520_820_530_830] 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 12:02:28 UTC
From: Robert Mackie
Topic: 184 Message: 185

Keith, The first thing I'd try in this instance is a little contact cleaner on all of the bandswitch wafers. Bob - N0CDY --- On Mon 01/13, k2uod < k2uod@... > wrote:From: k2uod [mailto: k2uod@...]To: TS-520_820_530_830@yahoogroups.comDate: Mon, 13 Jan 2003 11:28:00 -0000Subject: [TS-520_820_530_830] 830S: No output on 10 metersI currently have two 830s xcvrs and love them. One has developed a quirk. I do not get any output (no ALC level)when the bandswitch is in the 28.0 or 28.5 MHZ position. The rig runs beautifully (around 100 watts out) on all other bandswitch positions (including the balance of the 10 meter band--29.0 and 29.5-- which are different bandswitch positions). Any thoughts on a remedy? 73, Keith K2UODTo unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.comYour use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

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186. For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 13:56:20 UTC
From: Charles Feigley
Topic: 186 Message: 186

Good Morning To All,
I have decided to part with my beloved
Radio. I have the following.
Kenwood TS-520SE
Kenwood VFO-520S
Kenwood Sp-520
Shure 444 desk mic
MFJ-949E antenna tuner
Everything works well and apperance is a 8
out of 10. Will include manual for the radio
and all connecting cables.
Asking $350.00 for everything.
Shipping will be $60.00 for pro packing in
2 seperate boxes and insurance. Any more
I will cover any less and I will refund to buyer.
Thank You,
Charlie W4CDF

187. Re: [TS-520_820_530_830] 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 14:11:30 UTC
From: Bill
Topic: 184 Message: 187

Keith, do you get any output at all on 28.0?
Was this rig previously owned by a CBer by any chance?
b
"k2uod <k2uod@...>" <k2uod@...> wrote:I currently have two 830s xcvrs and love them. One has developed a
quirk. I do not get any output (no ALC level)when the bandswitch is
in the 28.0 or 28.5 MHZ position. The rig runs beautifully (around
100 watts out) on all other bandswitch positions (including the
balance of the 10 meter band-- 29.0 and 29.5-- which are different
bandswitch positions). Any thoughts on a remedy?

73, Keith K2UOD

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188. RE: [TS-520_820_530_830] 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 14:13:03 UTC
From: Bill
Topic: 184 Message: 188

I don't recommend "soaking" bandswitch wafers with cleaner; it may make them swell up and either freeze or get difficult to operate. Rather, soak a foam-tip applicator (used for cleaning tape heads), then apply it to the metal parts of the switch rotor and contacts. Getting a little on the wafers won't hurt; a lot will however.
b
Robert Mackie <bomack@...> wrote:Keith, The first thing I'd try in this instance is a little contact cleaner on all of the bandswitch wafers.

Bob - N0CDY

--- On Mon 01/13, k2uod < k2uod@... > wrote:

From: k2uod [mailto: k2uod@...]
To: TS-520_820_530_830@yahoogroups.com
Date: Mon, 13 Jan 2003 11:28:00 -0000
Subject: [TS-520_820_530_830] 830S: No output on 10 meters

I currently have two 830s xcvrs and love them. One has developed a quirk. I do not get any output (no ALC level)when the bandswitch is in the 28.0 or 28.5 MHZ position. The rig runs beautifully (around 100 watts out) on all other bandswitch positions (including the balance of the 10 meter band-- 29.0 and 29.5-- which are different bandswitch positions). Any thoughts on a remedy?

73, Keith K2UOD

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var lrec_target="_top";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=219695.2850578.4203976.1925585/D=egroupweb/S=1705063108:HM/id=flashurl/*http://ad.doubleclick.net/clk;5046279;7790548;y?http://www.ameritrade.com/o.cgi?a=cjx&o=roc&p=/offer/25.html";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/am/ameritrade/120402_am_ban_bc_x38_x_300x250_3.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=219695.2850578.4203976.1925585/D=egroupweb/S=1705063108:HM/id=altimgurl/*http://ad.doubleclick.net/clk;5046279;7790548;y?http://www.ameritrade.com/o.cgi?a=cjx&o=roc&p=/offer/25.html";var lrec_altimg = "http://us.a1.yimg.com/us.yimg.com/a/am/ameritrade/120402_am_ban_off_x82_x_300x250_6.gif";var lrec_width = 300;var lrec_height = 250;
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189. Re: 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 17:55:42 UTC
From: k2uod <k2uod@hotmail.com>
Topic: 184 Message: 189

Bill and Bob:

Thanks for the advice.

I will carefully clean the contacts.

I just bought this rig about two months ago. Did use it on 10 for a CW contest. Problem is intermittent.

Will report back.

73, Keith K2UOD

190. Re: [TS-520_820_530_830] Re: 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-13 18:09:23 UTC
From: Bill
Topic: 184 Message: 190

The 830 derives it's band-determinate signals from a VCO/PLL system. Could be a loop tuning issue or intermittant solder joint; or dirty connectors between boards.
If you cannot find the problem ping me and I will have a look at the service manual.
I have a repair shop in Colorado, see our QRZ listing for more information.
73!
Bill K0ZL
"k2uod <k2uod@...>" <k2uod@...> wrote:Bill and Bob:

Thanks for the advice.

I will carefully clean the contacts.

I just bought this rig about two months ago. Did use it on 10 for a
CW contest. Problem is intermittent.

Will report back.

73, Keith K2UOD

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191. Re: [TS-520_820_530_830] Re: 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-14 15:32:58 UTC
From: f x
Topic: 184 Message: 191

Hi Bill,
Don't know the correct protocol for this... but here goes anyway... I have a nice -830.. which I dearly loved... but when I went to Singapore, it went to storage in the garage... for seven and a half years.. I have not yet opened it up, but have it still in the original Kenwood box... My question is what you charge for a "start up" and general going over??? I hate the thought of just plugging it in after all this time and seeing what happens... If this is an inappropriate forum, please send me a private e mail to discuss.
regards,
Raleigh Stelle
NY0Y
Bill <coorsbill@...> wrote:
The 830 derives it's band-determinate signals from a VCO/PLL system. Could be a loop tuning issue or intermittant solder joint; or dirty connectors between boards.
If you cannot find the problem ping me and I will have a look at the service manual.
I have a repair shop in Colorado, see our QRZ listing for more information.
73!
Bill K0ZL
"k2uod <k2uod@...>" <k2uod@...> wrote: Bill and Bob:

Thanks for the advice.

I will carefully clean the contacts.

I just bought this rig about two months ago. Did use it on 10 for a
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Will report back.

73, Keith K2UOD

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192. Re: 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-14 16:24:35 UTC
From: rsakabu <rsakabu@pwav.com>
Topic: 184 Message: 192

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
>
> Hi Bill,
> Don't know the correct protocol for this... but here goes anyway...
I have a nice -830.. which I dearly loved... but when I went to
Singapore, it went to storage in the garage... for seven and a half
years.. I have not yet opened it up, but have it still in the
original Kenwood box... My question is what you charge for a "start
up" and general going over??? I hate the thought of just plugging it
in after all this time and seeing what happens... If this is an
inappropriate forum, please send me a private e mail to discuss.
> regards,
> Raleigh Stelle
> NY0Y
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Isn't this the situation where you use a variac to slowly bring up the
voltage to keep any capacitors from blowing up?

But also, I heard that electrolytic capacitors can go bad after many
years of not being used, so you might need to replace them all as a
preventative measure.

Roy

193. Re: [TS-520_820_530_830] Re: 830S: No output on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-14 16:54:59 UTC
From: Bill
Topic: 184 Message: 193

The JA style electrolytics in the 520-530-820-830 rarely fail. They are not available anymore as far as I know
Also I don't recommend the "variac" method for this rig as low line voltage could cause damage the low voltage regulators. I have never found a need to use Variac.
For re-forming caps, I have a 0-400vdc current limited supply that I can use with the filter caps and on tube rigs... you can hook this up with rig powered down and it doesn't hurt anything. If the caps are shorted, the power supply limits current to 200ma. Old Eico thing...
Best thing is a good physical inspection (all covers off), make sure the tubes are seated, lube fan and vfo shaft bearings, power up on receive with dummy load and make sure nothing arcs, then try transmit at low power for a bit. Rig should run with covers off but not unattended for couple of hours to make sure nothing is going to blow up.
73
Bill
"rsakabu <rsakabu@...>" <rsakabu@...> wrote:--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
>
> Hi Bill,
> Don't know the correct protocol for this... but here goes anyway...
I have a nice -830.. which I dearly loved... but when I went to
Singapore, it went to storage in the garage... for seven and a half
years.. I have not yet opened it up, but have it still in the
original Kenwood box... My question is what you charge for a "start
up" and general going over??? I hate the thought of just plugging it
in after all this time and seeing what happens... If this is an
inappropriate forum, please send me a private e mail to discuss.
> regards,
> Raleigh Stelle
> NY0Y
s - Powerful. Affordable. Sign up now

Isn't this the situation where you use a variac to slowly bring up the
voltage to keep any capacitors from blowing up?

But also, I heard that electrolytic capacitors can go bad after many
years of not being used, so you might need to replace them all as a
preventative measure.

Roy

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194. R820 Mods.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-16 02:39:30 UTC
From: George Curtis
Topic: 194 Message: 194

Hi all,

I recently acquired a TS-820S/R820 station and I am in the process of cleaning and restoring the R820. I see that some mods have been added, namely the addition of a 12V fan on the counter unit and a regulator board (9V to 6.3) next to it. The fan was loud so I dropped the voltage down to 7V to run it quieter. Has anyone else experienced this mod. ? I question its necessity. Also the PTO case was wrapped with this reality sticky form foil (what?s the point of that). I removed it and cleaned it up.

Also, looking for a copy of the manual for R820. I have the service manual if anyone needs it.

Thanks

George K9GQ

195. Re: [TS-520_820_530_830] R820 Mods.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-16 14:18:15 UTC
From: Bill
Topic: 194 Message: 195

George,
The fan may have been added to deal with a heat problem. Shut it off and see what happens. OK on the foil; people do all sorts of wierd things. Best to take all that stuff off and start "clean".
Good luck and keep us posted! You have a rare combination there.
Bill
George Curtis <gdcurtis@...> wrote:Hi all,

I recently acquired a TS-820S/R820 station and I am in the process of cleaning and restoring the R820. I see that some mods have been added, namely the addition of a 12V fan on the counter unit and a regulator board (9V to 6.3) next to it. The fan was loud so I dropped the voltage down to 7V to run it quieter. Has anyone else experienced this mod. ? I question its necessity. Also the PTO case was wrapped with this reality sticky form foil (what?s the point of that). I removed it and cleaned it up.

Also, looking for a copy of the manual for R820. I have the service manual if anyone needs it.

Thanks

George K9GQ

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196. RE: [TS-520_820_530_830] R820 Mods.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-16 18:41:54 UTC
From: George Curtis
Topic: 194 Message: 196

Hi Bill,

Thanks for the reply, on another subject.... Refinishing cases, I am leaning toward giving them a good cleaning with a mild detergent and spraying with a clear coat if possible. However some items may need repainting. Rust-Oleum makes a spray can product called Pewter Gray which I have spray a few test strips and it looks very close to the light gray cabinet color. Anyone have any experience using this product.

George

-----Original Message-----
From: Bill [mailto:coorsbill@...]
Sent: Thursday, January 16, 2003 6:18 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] R820 Mods.

George,

The fan may have been added to deal with a heat problem. Shut it off and see what happens. OK on the foil; people do all sorts of wierd things. Best to take all that stuff off and start "clean".

Good luck and keep us posted! You have a rare combination there.

Bill

George Curtis <gdcurtis@...> wrote:

Hi all,

I recently acquired a TS-820S/R820 station and I am in the process of cleaning and restoring the R820. I see that some mods have been added, namely the addition of a 12V fan on the counter unit and a regulator board
(9V to 6.3) next to it. The fan was loud so I dropped the voltage down to 7V
to run it quieter. Has anyone else experienced this mod. ? I question its
necessity. Also the PTO case was wrapped with this reality sticky form foil
(whats the point of that). I removed it and cleaned it up.

Also, looking for a copy of the manual for R820. I have the service manual
if anyone needs it.

Thanks

George K9GQ

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197. Problem with VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-20 15:09:26 UTC
From: José Pedro Alvarez C.
Topic: 197 Message: 197

Hello all,

My TS-820S with VFO-820 has developed a problem and I hope the members of this forum can help me out figuring what is wrong.

I had been using the rig without the external VFO but I tested them together when I bought them a couple months ago and everything was working fine then.

Yesterday I tried the external VFO and when I switched it on, either in the VFO or the radio, the display wnet blank and the receive audio went silent. The led indicating the external VFO lights OK.

Any ideas?

73's

Jos? Pedro CA3RVF
Santiago, Chile

198. RE: [TS-520_820_530_830] Problem with VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-20 15:02:44 UTC
From: Bill Gerhold
Topic: 197 Message: 198
Attachments: 1 described; binary payloads are missing from this source WARC

Without the vfo, the socket that accepts the vfo,
has to be jumpered. I believe it is pins 1 & 8.
Check your manual for the exact pins. Without these
2 pins jumpered, the receiver will go dead and the
display will blank out. Just what you are experiencing.

Using the external VFO, internal wiring or switching
will perform this task acting as the jumper. I think
possibly, the vfo cable (most likely) is no longer
performing this task. Check the cable pin to pin and
look for shorts in the cable also. If the cable checks
out ok, then you will have to go into the vfo and look
for the cause.

Bill
K2WH

199. Re: Problem with VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-21 15:04:08 UTC
From: José Pedro Alvarez
Topic: 197 Message: 199

Thanks for the reply, I will start by checking the cable.

Maybe I did not explain myself clearly, probably because english is a second language to me.

I have the radio and the VFO conected. The radio works fine, that means that the pins in the back are shorted correctly. But when I switch the VFO on with the switch onthe VFO or by the switch on the radio (receive in the external VFO) the VFO LED goes off in the radio and on in the external VFO but the display goes blank and the speaker goes silent.

If the problem is the cable, is ir possible to get a replacement?

Those connectors look like very hard to find.

Thx again.

Jose Pedro
CA3RVF
Santiago, Chile

--- In TS-520_820_530_830@yahoogroups.com, "Bill Gerhold" <k2wh@o...> wrote:
> Without the vfo, the socket that accepts the vfo,
> has to be jumpered. I believe it is pins 1 & 8.
> Check your manual for the exact pins. Without these
> 2 pins jumpered, the receiver will go dead and the
> display will blank out. Just what you are experiencing.
>
> Using the external VFO, internal wiring or switching
> will perform this task acting as the jumper. I think
> possibly, the vfo cable (most likely) is no longer
> performing this task. Check the cable pin to pin and
> look for shorts in the cable also. If the cable checks
> out ok, then you will have to go into the vfo and look
> for the cause.
>
> Bill
> K2WH
>
>
>
> Hello all,
>
> My TS-820S with VFO-820 has developed a problem and I hope the members of

> this forum can help me out figuring what is wrong.
>
> I had been using the rig without the external VFO but I tested them
together
> when I bought them a couple months ago and everything was working
fine then.
>
> Yesterday I tried the external VFO and when I switched it on,
either in the
> VFO or the radio, the display wnet blank and the receive audio went
silent.
> The led indicating the external VFO lights OK.
>
> Any ideas?
>
> 73's
>
> José Pedro CA3RVF
> Santiago, Chile
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>
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200. Re: [TS-520_820_530_830] Re: Problem with VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-21 16:15:18 UTC
From: Bill
Topic: 197 Message: 200

Jose your english is fine!
Maybe bad VFO in the rig. Sometimes the rotor contact gets dirty and they quit working. Can you check the VFO output with a scope?
bill
Jos?_Pedro_Alvarez_ <josepedro@...>, UNEXPECTED_DATA_AFTER_ADDRESS@.SYNTAX-ERRO wrote:Thanks for the reply, I will start by checking the cable.

Maybe I did not explain myself clearly, probably because english is a second language to me.

I have the radio and the VFO conected. The radio works fine, that means that the pins in the back are shorted correctly. But when I switch the VFO on with the switch onthe VFO or by the switch on the radio (receive in the external VFO) the VFO LED goes off in the radio and on in the external VFO but the display goes blank and the speaker goes silent.

If the problem is the cable, is ir possible to get a replacement?

Those connectors look like very hard to find.

Thx again.

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201. VFO-820 Remote

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-22 17:23:38 UTC
From: Bill Evans
Topic: 201 Message: 201

Pedro:

I have had a similar problem with my VFO-820 for years. Posted it to the group just before Christmas. I could make my VFO-820 come on by "tapping" the case, most of the time.

Consensus is that the rotor wiper is not making proper contact and should be cleaned.

Good luck. Let me know how it turns out, as i haven't had time to pursue my problem yet.

Bill Evans VE4UD

202. RE: [TS-520_820_530_830] Re: Problem with VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-22 16:04:44 UTC
From: Bill
Topic: 197 Message: 202

Jose,

Reading ur post again, it is not necessary to switch the radio to VFO-R when using the external VFO. I have the TS-520 and TS-802s and neither radio requires switching to VFO-R when using the external VFO.

Tried it a few times. So, basically, I guess I don't understand why the VFO-R
switch is there. But, you do not have to switch to VFO-R to use the external
VFO at least on the (2) radios I have. Anyone know why the VFO-R function is there?

Bill
K2WH
-----Original Message-----
From: Bill [mailto:coorsbill@...]
Sent: Tuesday, January 21, 2003 21:15 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: Problem with VFO-820

Jose your english is fine!

Maybe bad VFO in the rig. Sometimes the rotor contact gets dirty and they quit working. Can you check the VFO output with a scope?

bill

Jos?_Pedro_Alvarez_ <josepedro@...>,
UNEXPECTED_DATA_AFTER_ADDRESS@.SYNTAX-ERRO wrote:

Thanks for the reply, I will start by checking the cable.

Maybe I did not explain myself clearly, probably because english is a second language to me.

I have the radio and the VFO conected. The radio works fine, that means that the pins in the back are shorted correctly. But when I switch the VFO on with the switch onthe VFO or by the switch on the radio (receive in the external VFO) the VFO LED goes off in the radio and on in the external VFO but the display goes blank and the speaker goes silent.

If the problem is the cable, is ir possible to get a replacement?

Those connectors look like very hard to find.

Thx again.

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203. weak rx on upper freqs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-23 04:01:08 UTC
From: jwpincus2000 <jwpincus2000@yahoo.com>
Topic: 203 Message: 203

I just got a beat up old 520 that wasn't working. When I cleaned all the contacts for the front panel switches it jumped to life. The only problem now is that it has really weak rx on all bands when the dial moves above the 200 khz mark. It still recieves but it sonds like the rf gain is turned way down. What causes this, and how can I fix it?
Thanks,
Jack KD5SCG

204. 820s problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-23 11:12:02 UTC
From: n0wsj <frimn@2z.net>
Topic: 204 Message: 204

my 820 quit working it would on power up go full scale on the s meter
and quiet radio after a while it would come to life on the reciecve
and would not tx mitt..after opening up the rig and cking
connections and looking for obvioius things was messing with the
nobs and got the comp. level switch turing and smoke came out of
that area??? now dont get a recieve out of rig ?? final tubes are
good any help would be appreciadted on this..thanks in advance..

205. Re: weak rx on upper freqs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-23 21:52:04 UTC
From: arndgronenberg <arnd@gronenberg.com>
Topic: 203 Message: 205

Hi Jack,

I don't know whether you are familiar with the 520, but the drive level control works as preselector on receive, so you should try to adjust the drive level until the noise level increases...

Vy 73, Arnd (DJ9PZ / KC2EZE)

206. Re: [TS-520_820_530_830] weak rx on upper freqs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-24 04:36:52 UTC
From: Bill
Topic: 203 Message: 206

I am guessing that you are re-tuning the preselector when you move above .200, and it just isn't cutting it.
Have to take a look at your VFO output, see if it's dropping off above .200, that's about the only thing that could do that unless the first IF passband is way out.
b
"jwpincus2000 <jwpincus2000@...>" <jwpincus2000@...> wrote:I just got a beat up old 520 that wasn't working. When I cleaned all
the contacts for the front panel switches it jumped to life. The only
problem now is that it has really weak rx on all bands when the dial
moves above the 200 khz mark. It still recieves but it sonds like the
rf gain is turned way down. What causes this, and how can I fix it?
Thanks,
Jack KD5SCG

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207. [TS-520_820_530_830] Using a YG-445c-1 in a TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-24 15:56:11 UTC
From: r tg
Topic: 197 Message: 207

Does anyone know if you can use the YG-445c-1 unsoldered from the PCB and solder it in on the 830 IF board?

Tnx,

Rob

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208. Looking For-Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-24 20:16:52 UTC
From: Charles Feigley
Topic: 208 Message: 208

Hello All.
I am looking for a Kenwood SP-230
Speaker in good condition.
If you have one you would like to part with
please email me and let me know your asking
price.
Thank You,
Charlie

Charles D. Feigley Sr.
W4CDF

Kenwood Gatherer
Models:
TS-520SE VFO-520S SP-520
TS-530S VFO-240

209. Re: [TS-520_820_530_830] Using a YG-445c-1 in a TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-25 01:11:47 UTC
From: Bill
Topic: 197 Message: 209

I think the c-1 is a slightly different center freq than the 830 IF. If it will fit, try it. You will know by the sound if it's right or not... CW bandpass should be fairly low tone (750 hz CF). If the rig does not like the filter, it will sound very tinny.
b
r tg <rtg222@...> wrote:
Does anyone know if you can use the YG-445c-1 unsoldered from the PCB and solder it in on the 830 IF board?

Tnx,

Rob

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210. Re: Using a YG-445c-1 in a TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-25 17:08:45 UTC
From: K9OR <k9or@arrl.net>
Topic: 197 Message: 210

The recommended filters for the TS-830 are the YG-455c and YG-455cn.
Center frequency is 455.7 khz

The YG-455c-1 and YG-455cn-1 are for the 850/930/940/950 radios-
Center frequency is 455.0 khz.

73
Randy
K9OR

211. Re: [TS-520_820_530_830] Re: Using a YG-445c-1 in a TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-25 22:15:20 UTC
From: r tg
Topic: 197 Message: 211

That's what I wanted to know.
Thanks
"K9OR <k9or@...>" <k9or@...> wrote:The recommended filters for the TS-830 are the YG-455c and YG-455cn.
Center frequency is 455.7 khz

The YG-455c-1 and YG-455cn-1 are for the 850/930/940/950 radios-
Center frequency is 455.0 khz.

73
Randy
K9OR

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212. Re: weak rx on upper freqs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-25 22:28:19 UTC
From: jwpincus2000 <jwpincus2000@yahoo.com>
Topic: 203 Message: 212

--- In TS-520_820_530_830@yahoogroups.com, "jwpincus2000
Prolblem fixed. I took apart the front panel to clean the the
contacts on the agc switch, which was having some problems, and when
I put it back together it was working a lot better, go figure.
Thanks,
Jack Pincus KD5SCG
<jwpincus2000@y...>" <jwpincus2000@y...> wrote:
> I just got a beat up old 520 that wasn't working. When I cleaned
all
> the contacts for the front panel switches it jumped to life. The
only
> problem now is that it has really weak rx on all bands when the
dial
> moves above the 200 khz mark. It still recieves but it sonds like
the
> rf gain is turned way down. What causes this, and how can I fix it?
> Thanks,
> Jack KD5SCG

213. Re: [TS-520_820_530_830] Re: weak rx on upper freqs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-26 04:33:46 UTC
From: Bill
Topic: 203 Message: 213

Jack,
Sometimes old radios just respond to loving care... Often I have found that cleaning something fixed something else. Actually I guess we "disturb" the system and that fixes a lot of problems.
Radios hate to be left on the shelf.
73!
Bill
"jwpincus2000 <jwpincus2000@...>" <jwpincus2000@...> wrote:--- In TS-520_820_530_830@yahoogroups.com, "jwpincus2000
Prolblem fixed. I took apart the front panel to clean the the contacts on the agc switch, which was having some problems, and when I put it back together it was working a lot better, go figure.
Thanks,
Jack Pincus KD5SCG

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214. Re: [TS-520_820_530_830] Re: Using a YG-445c-1 in a TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-26 04:47:05 UTC
From: Bill
Topic: 197 Message: 214

Thanks Randy.
I tried a yk88c (not C-1) in my 850, and with the higher center frequency, it sounded like a RTTY filter! but not quite high enough. Still enough to shake a filling or two out of my mouth, hi!
b
"K9OR <k9or@...>" <k9or@...> wrote:The recommended filters for the TS-830 are the YG-455c and YG-455cn.
Center frequency is 455.7 khz

The YG-455c-1 and YG-455cn-1 are for the 850/930/940/950 radios-
Center frequency is 455.0 khz.

73
Randy
K9OR

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215. For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-26 17:00:12 UTC
From: Charles Feigley
Topic: 186 Message: 215

Hello,
I have the folowing for sale:
Kenwood TS-520SE with the matching VFO-520S
external vfo and the SP-520 external speaker. Radio
covers 160 - 10 meters and has 100-120 watts out.
Comes with manual , no mic but will include mic. con.
All you need is a mic and antenna and you are on the
air.
Price is $250.00

AADE digital dial for Kenwood 520S and 520SE.
Comes with all connecting cabels and instructions.
Shows freq and mode.
Price is $100.00

Bilal Isotron 80 and 40 meter combo antenna. Small
limited space antenna system for the 80 and 40
meter bands. Not as good as a half wave diapole
but they do work. Includes instructions.
Payed over $170.00
Price is $50.00

Prices do not include shipping.
Thanks,
Charlie W4CDF

216. 6146 Warm Up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-27 17:13:54 UTC
From: rsakabu <rsakabu@pwav.com>
Topic: 216 Message: 216

Hello Group,
How long do you let your 6146B's warm up before tuning up and transmitting? I saw one data sheet that said 6 minutes, some folk say that they just turn on the heaters an start talking, others say they know of people that never turn their rigs off, ever.

If you intend to do some talking here and there over a weekend, what is the cutoff where you would turn the rig off? One hour, 4 hours, overnight or just leave it on always? The 830 draws 35 watts with heaters off and nearly 300 watts with full TX, so with heaters on and the AF volume at a moderate level, I would guess that it averages less than 100 watts. Over an entire weekend, that's less than 50 cents worth of electricity, so I wouldn't be worried about the cost of keeping it on if it's gentler on the tubes.

Any advice, opinions, experiences?

Thanks and 73
Roy

217. RE: [TS-520_820_530_830] 6146 Warm Up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-27 18:00:09 UTC
From: Bill Gerhold
Topic: 216 Message: 217
Attachments: 1 described; binary payloads are missing from this source WARC

Just for curiousity, I don't think it will make any
real difference, tubes on or tubes off. I have always
read or heard that when electrical devices are left on,
and allowed to thermally settle down, the devices will
last longer. NASA supposedly does this.

However, this is with solid state equipment for the most
part. Tubes however, are a different story. Tubes have
a definite filament life rating in hours. Leaving them
on all the time will add up. On the other hand,
the filaments will not suffer as much from the thermal
shock of heating and cooling (in theory anyway).

Bottom line, I transmit ASAP when I turn the filaments on.
I even start to transmit while the filaments just start to
come on and is not even visible yet as a glow! If the tubes
go soft, there are many sources to get them from. Turn the
rig on, leave it on or shut it off. Have at it. Don't sweat
the small stuff.

Bill
K2WH

218. Re: [TS-520_820_530_830] 6146 Warm Up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-27 18:04:46 UTC
From: Stan Bruederle
Topic: 216 Message: 218

When I turn on my TS-820 heaters, I usually have to wait just a few minutes. I just times it and had 60 ma in one minute. Two minutes would seem to be as much warm up as is necessary. But by then the plate current is at 60 ma which I interpret to mean that I can transmit. I leave the heaters off until I am ready to have some QSOs. If I am just listening I leave them off. I expect there is some risk in that but I haven't missed any opportunities so far.

Regards,

Stan
----- Original Message -----
From: rsakabu <rsakabu@...>
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, January 27, 2003 9:13 AM
Subject: [TS-520_820_530_830] 6146 Warm Up

Hello Group,
How long do you let your 6146B's warm up before tuning up and transmitting? I saw one data sheet that said 6 minutes, some folk say that they just turn on the heaters an start talking, others say they know of people that never turn their rigs off, ever.

If you intend to do some talking here and there over a weekend, what is the cutoff where you would turn the rig off? One hour, 4 hours, overnight or just leave it on always? The 830 draws 35 watts with heaters off and nearly 300 watts with full TX, so with heaters on and the AF volume at a moderate level, I would guess that it averages less than 100 watts. Over an entire weekend, that's less than 50 cents worth of electricity, so I wouldn't be worried about the cost of keeping it on if it's gentler on the tubes.

Any advice, opinions, experiences?

Thanks and 73
Roy

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219. Re: [TS-520_820_530_830] 6146 Warm Up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-27 21:22:07 UTC
From: Bill
Topic: 216 Message: 219

Hi Roy,
I will turn mine off at end of the day. It takes too long for my old Swan to stabilize. With the Kenwood hybrid rigs, I would shut the radio off if I were leaving the house (i.e., work) for more than a few hours.
I don't like leaving tube gear on all the time, as tubes have limited life and turning them off at night will result in lots longer tube life.
"rsakabu <rsakabu@...>" <rsakabu@...> wrote:Hello Group,
How long do you let your 6146B's warm up before tuning up and transmitting? I saw one data sheet that said 6 minutes, some folk say that they just turn on the heaters an start talking, others say they know of people that never turn their rigs off, ever.

If you intend to do some talking here and there over a weekend, what is the cutoff where you would turn the rig off? One hour, 4 hours, overnight or just leave it on always? The 830 draws 35 watts with heaters off and nearly 300 watts with full TX, so with heaters on and the AF volume at a moderate level, I would guess that it averages less than 100 watts. Over an entire weekend, that's less than 50 cents worth of electricity, so I wouldn't be worried about the cost of keeping it on if it's gentler on the tubes.

Any advice, opinions, experiences?

Thanks and 73
Roy

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220. For Sale- Price reduced

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-29 12:02:36 UTC
From: Charles Feigley
Topic: 220 Message: 220

Hello,
I have the folowing for sale:
Kenwood TS-520SE with the matching VFO-520S
external vfo and the SP-520 external speaker. Radio
covers 160 - 10 meters and has 100-120 watts out.
Comes with manual , no mic but will include mic. con.
All you need is a mic and antenna and you are on the
air.
Price is $200.00

AADE digital dial for Kenwood 520S and 520SE.
Comes with all connecting cabels and instructions.
Shows freq and mode.
Price is $80.00

221. Re: [TS-520_820_530_830] 820s problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-01-30 04:59:24 UTC
From: Bill
Topic: 204 Message: 221

There is a 9 volt supply that feeds the receiver circuits, sounds like you grounded it out somehow. You will need to find a schematic or service manual to repair this one, or find a good tech to fix you up.
73
bill
"n0wsj <frimn@...>" <frimn@...> wrote:my 820 quit working it would on power up go full scale on the s meter
and quiet radio after a while it would come to life on the reciecve
and would not tx mitt..after opening up the rig and cking
connections and looking for obvioius things was messing with the
nobs and got the comp. level switch turing and smoke came out of
that area??? now dont get a recieve out of rig ?? final tubes are
good any help would be appreciadted on this..thanks in advance..

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222. Welcome new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-04 09:02:08 UTC
From: Bill Leahy <coorsbill@yahoo.com>
Topic: 222 Message: 222

Welcome SGD00014 to the group! Hope you enjoy it.

Please tell us about yourself and your interest in Kenwood radios.

73,

Bill K0ZL
Group Moderator

223. Re: [TS-520_820_530_830] Welcome new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-04 14:25:49 UTC
From: Dan Valentino
Topic: 222 Message: 223
Attachments: 2 described; binary payloads are missing from this source WARC

Bill, I have been a liscensed Amateur for 24 years, and currently hold an Advanced class Amateur Liscense. I am active on HF/VHF/UHF IRLP and PSK31 as well as 2 Meter Sideband. My first station was a Kenwood TS520SE and I recently acquired a used TS520s, So I found out about the group through a friend -W2HLD, and thought it would be helpful to ask others questions about These great old Rigs. Thanks for asking. 73's

Dan KA5HDC

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, February 04, 2003 3:02:31 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Welcome new member!

Welcome SGD00014 to the group! Hope you enjoy it.

Please tell us about yourself and your interest in Kenwood radios.

73,

Bill K0ZL
Group Moderator

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224. Re: [TS-520_820_530_830] Welcome new member!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-04 21:57:39 UTC
From: Bill
Topic: 222 Message: 224

Great, Dan, and welcome to the group. Hope we can help.
There are very many TS-520s still on the air.
73,
Bill
Dan Valentino <valentinoe@...> wrote:BA285063-5BCE-11D4-AF8D-0050DAC67E1104B4992C-FCD1-4669-B2B0-5AE93F0C3D0Frepeat#dce0e30px0pxANIM3D00-NONE-0000-0000-0000000000000ANIM3D00-NONE-0000-0000-00000000000016486DDE0-3EFD-11D4-BA3D-0050DAC6803006486DDE0-3EFD-11D4-BA3D-0050DAC680301C3C52140-4147-11D4-BA3D-0050DAC680300X-ASN,X-ASH,X-AN,X-AP,X-AD;Bill, I have been a liscensed Amateur for 24 years, and currently hold an Advanced class Amateur Liscense. I am active on HF/VHF/UHF IRLP and PSK31 as well as 2 Meter Sideband. My first station was a Kenwood TS520SE and I recently acquired a used TS520s, So I found out about the group through a friend -W2HLD, and thought it would be helpful to ask others questions about These great old Rigs. Thanks for asking. 73's Dan KA5HDC -------Original Message-------
From: TS-520_820_530_830@yahoogroups.comDate: Tuesday, February 04, 2003 3:02:31 AMTo: TS-520_820_530_830@yahoogroups.comSubject: [TS-520_820_530_830] Welcome new member!
Welcome SGD00014 to the group! Hope you enjoy it.

Please tell us about yourself and your interest in Kenwood radios.

73,

Bill K0ZL
Group Moderator

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225. Kenwood Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-05 00:47:31 UTC
From: k9gq <gdcurtis@attbi.com>
Topic: 225 Message: 225

In answer to my own question...

I did locate and recommend an excellent source for Kenwood cabinet paint which is:

Martin L Tippin WØAKG
140 Monarch Lane
Branson, Mo 65616

George K9GQ

226. Re: [TS-520_820_530_830] Kenwood Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-05 23:25:56 UTC
From: Dan Valentino
Topic: 225 Message: 226
Attachments: 2 described; binary payloads are missing from this source WARC

Is this the paint for the Main Cabinet, or is it for the front panel, and
does he have paint for the front panel. Thanks

Dan Valentino

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, February 04, 2003 6:49:15 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Kenwood Paint

In answer to my own question...

I did locate and recommend an excellent source for Kenwood cabinet
paint which is:

Martin L Tippin WØAKG
140 Monarch Lane
Branson, Mo 65616

George K9GQ

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227. TS-820S Service Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-06 18:03:17 UTC
From: k9gq <gdcurtis@attbi.com>
Topic: 227 Message: 227

Please contact George K9GQ

228. RE: [TS-520_820_530_830] Kenwood Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-06 17:56:28 UTC
From: George Curtis
Topic: 225 Message: 228
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Dan,

I purchased the main cabinet product... not sure on the front panel color, I would check with Martin.

George K9GQ

-----Original Message-----
From: Dan Valentino [mailto:valentinoe@...]
Sent: Wednesday, February 05, 2003 3:26 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Kenwood Paint

Is this the paint for the Main Cabinet, or is it for the front panel, and does he have paint for the front panel. Thanks

Dan Valentino

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, February 04, 2003 6:49:15 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Kenwood Paint

In answer to my own question...

I did locate and recommend an excellent source for Kenwood cabinet paint which is:

Martin L Tippin W?AKG
140 Monarch Lane
Branson, Mo 65616

George K9GQ

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229. Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-08 13:16:14 UTC
From: Bill Gregory <william.gregory5@verizon.n
Topic: 229 Message: 229

Good morning all...
The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
In searching for replacements, I've been told that the part
is no longer available. Have tried several repair shops/part
suppliers with no success.
Does anyone know of sources which might have the part or
a substitute?

Tnx... 73 Bill K2EKM

230. RE: [TS-520_820_530_830] Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-08 22:01:09 UTC
From: Ariel Katz
Topic: 229 Message: 230

Bill:
Please try those sources for this cap, you will find it for sure!
Atlantic Coast Parts (NY): www.kenwoodparts.com
Pacific Coast Parts (CA): www.pacparts.com

It is about $ 17 e.a.and those are original, so will fit exactly on your rig.
Good Luck and enjoy your TS-830S!!

LU4OO, Ariel (Salta, Argentina)
----- Original Message -----
From: mailto:Bill Gregory <william.gregory5@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, February 08, 2003 10:16 AM
Subject: [TS-520_820_530_830] Filter Cap source for TS-830S

Good morning all...
The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
In searching for replacements, I've been told that the part
is no longer available. Have tried several repair shops/part
suppliers with no success.
Does anyone know of sources which might have the part or
a substitute?

Tnx... 73 Bill K2EKM

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231. Re: [TS-520_820_530_830] Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-08 18:07:21 UTC
From: Mike
Topic: 229 Message: 231

Try East Coast Transistor at (800) 637-0388 or Pacific Coast Parts at (800) 262-1312. If it fits into a Kenwood one of these two is very likely to have it.

>Good morning all...
>The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
>In searching for replacements, I've been told that the part
>is no longer available. Have tried several repair shops/part
>suppliers with no success.
>Does anyone know of sources which might have the part or
>a substitute?
>
>Tnx... 73 Bill K2EKM

232. Re: Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-09 01:28:47 UTC
From: Bill Gregory <william.gregory5@verizon.n
Topic: 229 Message: 232

Ariel and Mike,
Thanks for the leads... I had checked with both those places
last Friday and neither had any more in stock.
I also called Kenwood Service Center East in Virginia Beach, VA,
and the fellow said that if a customer sends him a transceiver
with that problem, he returns it, as he can't get the parts either.
Think he said that they were just discontinued last year, so guess
my timing was bad :)
Guess my main hope is to pick some up at a hamfest this spring.
I'll try to get to Dayton this year, so maybe I'll get lucky.

Looks like the Kenwood will be collecting dust again unless I
get lucky.

Thanks again guys. Best wishes es BCNU.

Bill

--- In TS-520_820_530_830@yahoogroups.com, Mike <mdietrich@e...>
wrote:
> Try East Coast Transistor at (800) 637-0388 or Pacific Coast Parts
at (800)
> 262-1312. If it fits into a Kenwood one of these two is very
likely to
> have it.
>
> >Good morning all...
> >The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
> >In searching for replacements, I've been told that the part
> >is no longer available. Have tried several repair shops/part
> >suppliers with no success.
> >Does anyone know of sources which might have the part or
> >a substitute?
> >
> >Tnx... 73 Bill K2EKM

233. RE: [TS-520_820_530_830] Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-09 02:41:54 UTC
From: George Curtis
Topic: 229 Message: 233

Hi Bill,

Try:

http://www.angela.com/catalog/capacitors/LCR.html

George K9GQ

-----Original Message-----
From: Bill Gregory <william.gregory5@...>
[mailto:william.gregory5@...]
Sent: Saturday, February 08, 2003 5:16 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Filter Cap source for TS-830S

Good morning all...
The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
In searching for replacements, I've been told that the part
is no longer available. Have tried several repair shops/part
suppliers with no success.
Does anyone know of sources which might have the part or
a substitute?

Tnx... 73 Bill K2EKM

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234. Re: Filter Cap source for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-10 02:40:39 UTC
From: Bill Gregory <william.gregory5@verizon.n
Topic: 229 Message: 234

Thanks George.
Looks like you have something there.
I'll contact them tomorrow.
Will let you know the result.
tnx agn es 73
Bill
--- In TS-520_820_530_830@yahoogroups.com, "George Curtis"
<gdcurtis@a...> wrote:
> Hi Bill,
>
> Try:
>
> http://www.angela.com/catalog/capacitors/LCR.html
>
> George K9GQ
>
>
> -----Original Message-----
> From: Bill Gregory <william.gregory5@v...>
> [mailto:william.gregory5@v...]
> Sent: Saturday, February 08, 2003 5:16 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Filter Cap source for TS-830S
>
>
> Good morning all...
> The filter caps (100uf/500v) C22/C24 had gone on my TS-830S.
> In searching for replacements, I've been told that the part
> is no longer available. Have tried several repair shops/part
> suppliers with no success.
> Does anyone know of sources which might have the part or
> a substitute?
>
> Tnx... 73 Bill K2EKM
>
>
>
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235. After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-10 12:51:17 UTC
From: f x
Topic: 235 Message: 235

Dear Group...

I have seen some threads about what happens after long storage... Thought I would share my experience...

In July 1995, I went QRT and moved to Singapore... The TS-830 was stored in its original factory box... It resided in a garage in the Texas panhandle for seven and a half years, subject to the vagaries of weather (heat and cold, but low humidity), untouched.

Yesterday, the bug (no pun intended) bit me, and the rig was unpacked. Rummaging through the odds and ends, I uncovered a G5RV antenna.. slapped it up with the ends about as high as I can reach, middle at maybe 15 feet or so..

With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

Only thing that seems a little "off" is the CW narrow position... the output is very very low... seems to be a lot of loss in that circuit... otherwise, ALL functions seem to be working... am considering sending it to Bill for a complete alignment, just to be sure, but it seems just as good as seven years ago.... Kenwood builds solid stuff!!!!

73

NY0Y

Raleigh

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236. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-10 18:32:28 UTC
From: Bill
Topic: 235 Message: 236

Good to hear another one gets back on the air! Great...
You sure you have the CW filter installed? :)
b
f x <dawnlight1491@...> wrote:
Dear Group...

I have seen some threads about what happens after long storage... Thought I would share my experience...

In July 1995, I went QRT and moved to Singapore... The TS-830 was stored in its original factory box... It resided in a garage in the Texas panhandle for seven and a half years, subject to the vagaries of weather (heat and cold, but low humidity), untouched.

Yesterday, the bug (no pun intended) bit me, and the rig was unpacked. Rummaging through the odds and ends, I uncovered a G5RV antenna.. slapped it up with the ends about as high as I can reach, middle at maybe 15 feet or so..

With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

Only thing that seems a little "off" is the CW narrow position... the output is very very low... seems to be a lot of loss in that circuit... otherwise, ALL functions seem to be working... am considering sending it to Bill for a complete alignment, just to be sure, but it seems just as good as seven years ago.... Kenwood builds solid stuff!!!!

73

NY0Y

Raleigh

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237. Heil HMM-K Dual Cartridge Mic For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-11 11:59:01 UTC
From: Jingofl <ae4hl@earthlink.net>
Topic: 237 Message: 237

I have a new Heil HMM-K (4 pin) mic for sale. It has a high impedance transformer installed by Bob Heil himself. The mic has the selectable rag chew and dx dream machine cartridges. The mic is new. I spent close to $100 getting this mic setup for an older high-impedance Kenwood (TS-520SE). The reason I am selling is that I got tired of waiting for it to arrive and purchased a dynamic mic and mixer and now feed my audio into the phone patch in jack.

I will take $65 (including shipping)

Thanks.

Jim Kauppila
AE4HL

238. TS-830 Fan Noise and Air flow speed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-13 14:25:37 UTC
From: rtg222 <rtg222@yahoo.com>
Topic: 238 Message: 238

I got a 830s in good condition but the fan is much louder than on my 820. Also it moves a lot more air than the 820. Is this normal?

I have lubricated the fan and that does not seems to help the noise aspect of it.

I am guessing it needs replacement.

Anyone have a spare laying around? I also need a T/R relay.

Tnx,

Rob - WR1N

239. Re: [TS-520_820_530_830] TS-830 Fan Noise and Air flow speed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-13 15:56:07 UTC
From: Bill
Topic: 238 Message: 239

Those are getting rare.
You may need to adapt a computer fan to the back, and run 12v from the rig to the fan connection.
If you can't find one to match the screw pattern, silicone some magnets on the fan housing (check airflow direction first), then let it cure, and then just stick it on the back of the rig.
You may also be able to find a fan small enough to fit inside the original fan housing. The new 12v fans move more air than the 120 ones did
b
"rtg222 <rtg222@...>" <rtg222@...> wrote:I got a 830s in good condition but the fan is much louder than on my
820. Also it moves a lot more air than the 820. Is this normal?

I have lubricated the fan and that does not seems to help the noise
aspect of it.

I am guessing it needs replacement.

Anyone have a spare laying around? I also need a T/R relay.

Tnx,

Rob - WR1N

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240. Kenwood Screws

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-13 18:33:22 UTC
From: k9gq <gdcurtis@attbi.com>
Topic: 240 Message: 240

Anyone have the Kenwood part number for the smaller chrome plated metric screws used for the outside cabinet on the the SM-220 VFO-820 and other Kenwood products.

Thanks

241. Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-13 15:07:06 UTC
From: Jack <kf4yio@catt.com>
Topic: 241 Message: 241

Hi all, I'm new to this group. I'm looking for a NICE TS-830 tranciever, VFO, Speaker and mic. I currently have an ICOM-746 that I'm selling but will be able to purchase an 830 station if the price is right and in good condition.

The XYL says I can do this and replace the money with the 746 sale HI HI.

Please contact me if you have anything that I can build this station with.

Thanks - Jack KF4YIO

242. Re: [TS-520_820_530_830] Kenwood Screws

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-14 04:01:19 UTC
From: Bill
Topic: 240 Message: 242

N35-3006-41 METRIC 3MM X 6MM PAN HEAD PHILLIPS
"k9gq <gdcurtis@...>" <gdcurtis@...> wrote:Anyone have the Kenwood part number for the smaller chrome plated
metric screws used for the outside cabinet on the the SM-220 VFO-820
and other Kenwood products.

Thanks

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243. Re: [TS-520_820_530_830] Kenwood Screws

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-14 04:15:55 UTC
From: f x
Topic: 240 Message: 243

Bill,
Please send your shipping address to me at dawnlight1491@......
want to send my 830 for a tuneup/checkup...
what is the usual turn around time?
regards
Raleigh
NY0Y
Bill <coorsbill@...> wrote:
N35-3006-41 METRIC 3MM X 6MM PAN HEAD PHILLIPS
"k9gq <gdcurtis@...>" <gdcurtis@...> wrote: Anyone have the Kenwood part number for the smaller chrome plated
metric screws used for the outside cabinet on the the SM-220 VFO-820
and other Kenwood products.

Thanks

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244. TS-520S Snapin replacement switches for front panel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-15 04:23:09 UTC
From: Carl A. Maring <sailracer1@yahoo.com>
Topic: 244 Message: 244

Hi, every one. I'm a fairly new member just bought a TS-520S with some missing front panel switches. Does anyone know how to get replacements, what the part numbers are, who to order them through?
Thanks
Carl W7CUB

245. Re: TS-520S Snapin replacement switches for front panel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-15 14:47:45 UTC
From: Bill Gregory <william.gregory5@verizon.n
Topic: 244 Message: 245

Hi Carl,
You could try the site www.kenwood.net, amateur radio page,
go to service centers.
Appears that www.pacparts.com has some panel switch parts which
are still available.
YOu can also try partsolver.com, but I just did a lookup on
ts-520S and they don't have much.
You can also try contacting some of the listed service centers
for help on locating parts.
Good luck... one of the problems w/the old gear is part availability.
I'm currently trying to hunt down suitable replacements for the
filter caps in my old ts-830S.
Another good option is a spring hamfest.

GL es 73
Bill
--- In TS-520_820_530_830@yahoogroups.com, "Carl A. Maring
<sailracer1@y...>" <sailracer1@y...> wrote:
> Hi, every one. I'm a fairly new member just bought a TS-520S with
> some missing front panel switches. Does anyone know how to get
> replacements, what the part numbers are, who to order them through?
> Thanks
> Carl W7CUB

246. Re: [TS-520_820_530_830] TS-520S Snapin replacement switches for front panel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-15 20:58:05 UTC
From: Bill
Topic: 244 Message: 246

The switches are kenwood part number S44-2020-05.
These are the switches only, you also need the plastic toggle part. I don't see that part number in the service manual.
I have one of the switches here.
73,
Bill K0ZL
"Carl A. Maring <sailracer1@...>" <sailracer1@...> wrote:Hi, every one. I'm a fairly new member just bought a TS-520S with
some missing front panel switches. Does anyone know how to get
replacements, what the part numbers are, who to order them through?
Thanks
Carl W7CUB

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247. Re: TS-520S Snapin replacement switches for front panel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-15 23:31:57 UTC
From: Carl A. Maring <sailracer1@yahoo.com>
Topic: 244 Message: 247

The Plastic toggle part is the only part I need and from the sound of
things I better pick up extras.
Thanks All great service you are doing here Bill, please keep it up.
Carl W7CUB

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
>
> The switches are kenwood part number S44-2020-05.
> These are the switches only, you also need the plastic toggle
part. I don't see that part number in the service manual.
> I have one of the switches here.
> 73,
> Bill K0ZL
> "Carl A. Maring <sailracer1@y...>" <sailracer1@y...> wrote:Hi,
every one. I'm a fairly new member just bought a TS-520S with
> some missing front panel switches. Does anyone know how to get
> replacements, what the part numbers are, who to order them through?
> Thanks
> Carl W7CUB
>
>
>
>
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248. Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 03:50:28 UTC
From: pclisbee <pbclisbee@attbi.com>
Topic: 248 Message: 248

I have looked everwhere for a plug for my TS-520S tranceiver, and I can't find one anywhere. Would anyone know how I might get hold of one?
Thanks,
Bing

249. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 04:04:24 UTC
From: radionut
Topic: 248 Message: 249

---> Here is my reply to what pclisbee <pbclisbee@...> wrote 2/16/2003 9:50:28 PM

I found one on e-bay a while back, do a search for TS-520

Mike

---------- Original Message ----------

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

250. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 04:29:48 UTC
From: Perry Clisbee
Topic: 248 Message: 250

Thanks Mike,
I do keep looking on Ebay - they are hard to find.
Bing, kg7sf
----- Original Message -----
From: radionut
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 8:04 PM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

---> Here is my reply to what pclisbee <pbclisbee@...> wrote 2/16/2003 9:50:28 PM

I found one on e-bay a while back, do a search for TS-520

Mike

---------- Original Message ----------

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

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251. RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-16 23:47:51 UTC
From: Bill
Topic: 248 Message: 251

I believe you are talking about the power plug. Therefore, these are
available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@...]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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252. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 11:27:25 UTC
From: Larry Frimanslund
Topic: 248 Message: 252

i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..
LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
NØWSJ
TEN TEN #68836
GRID SQUARE EN 37FF
----- Original Message -----
From: pclisbee <pbclisbee@...>
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 9:50 PM
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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253. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 18:34:29 UTC
From: Perry Clisbee
Topic: 248 Message: 253

Thanks,
I checked Newark, and they have the male connector. I am looking for the female 12 pin socket used on the power cord. Newark has a few connectors, but no sockets.
Bing, kg7sf
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 3:47 PM
Subject: RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I believe you are talking about the power plug. Therefore, these are
available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@...]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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254. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 18:56:02 UTC
From: Perry Clisbee
Topic: 248 Message: 254

Thanks,
I checked Newark, and they have the male connector. I am looking for the female 12 pin socket used on the power cord. Newark has a few connectors, but no sockets.
Bing, kg7sf
Bing, kg7sf
----- Original Message -----
From: Perry Clisbee
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 17, 2003 10:34 AM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Thanks,
I checked Newark, and they have the male connector. I am looking for the female 12 pin socket used on the power cord. Newark has a few connectors, but no sockets.
Bing, kg7sf
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 3:47 PM
Subject: RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I believe you are talking about the power plug. Therefore, these are
available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@...m]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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255. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 18:57:38 UTC
From: Perry Clisbee
Topic: 248 Message: 255

I should have said "socket" - the female socket is attached to the power cord.
Bing, kg7sf
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 3:47 PM
Subject: RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I believe you are talking about the power plug. Therefore, these are
available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@attbi.com]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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256. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 18:54:40 UTC
From: Perry Clisbee
Topic: 248 Message: 256
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Larry.
I am attaching the specs for the socket (on the left side of the drawing). See if it matches the 820.
Bing, kg7sf
----- Original Message -----
From: Larry Frimanslund
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 17, 2003 3:27 AM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..
LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
NØWSJ
TEN TEN #68836
GRID SQUARE EN 37FF
----- Original Message -----
From: pclisbee <pbclisbee@...>
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 9:50 PM
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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257. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 20:36:34 UTC
From: Perry Clisbee
Topic: 248 Message: 257
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Larry.
I am attaching the specs for the socket (on the left side of the drawing). See if it matches the 820.
Bing, kg7sf
----- Original Message -----
From: Larry Frimanslund
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 17, 2003 3:27 AM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..
LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
NØWSJ
TEN TEN #68836
GRID SQUARE EN 37FF
----- Original Message -----
From: pclisbee <pbclisbee@...>
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 9:50 PM
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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258. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 20:40:05 UTC
From: Perry Clisbee
Topic: 248 Message: 258

I should have said that I needed the socket (12 pin) for the cable to connect to the 520S. If you know where to find one, I would surely appreciate it.
Bing, kg7sf
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 3:47 PM
Subject: RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I believe you are talking about the power plug. Therefore, these are
available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@...]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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259. RE: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 20:54:52 UTC
From: Bill
Topic: 248 Message: 259

Keep in mind, the American Jones plugs are numbered in reverse of the JA plugs!
Ran into this on my FT-101 and I think it's the same with the Kenwood. Check everything with an ohmmeter before plugging it in, if you are homebrewing an AC power cord.
Kenwood/Pac Coast may still have the assemblies available, no?
bill
Bill <k2wh@...> wrote:I believe you are talking about the power plug. Therefore, these are available from Newark Electronics. They are on the web.

K2WH

-----Original Message-----
From: pclisbee <pbclisbee@...> [mailto:pbclisbee@...]
Sent: Monday, February 17, 2003 8:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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260. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-17 21:27:20 UTC
From: Bill
Topic: 248 Message: 260

Hi Bing,
Sorry but I have attachments disabled. This is to prevent spread of Trojan programs.
If you could upload it to the "files" area of the group, that would be very helpful. I realize it's more steps but it's for the best of the group.
Thanks very much,
Bill K0ZL
Perry Clisbee <pbclisbee@...> wrote:Thanks Larry.I am attaching the specs for the socket (on the left side of the drawing). See if it matches the 820.Bing, kg7sf----- Original Message ----- From: Larry Frimanslund To: TS-520_820_530_830@yahoogroups.com Sent: Monday, February 17, 2003 3:27 AMSubject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S
i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
N?WSJ
TEN TEN #68836
GRID SQUARE EN 37FF----- Original Message ----- From: ">pclisbee <pbclisbee@...> To: TS-520_820_530_830@yahoogroups.com Sent: Sunday, February 16, 2003 9:50 PMSubject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S
I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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> ATTACHMENT part 2 application/msword name=cinch_jones_Electrical.doc

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261. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-18 01:16:18 UTC
From: Bill
Topic: 248 Message: 261

Kenwood part number E30-0181-05, cable ass'y. Discontinued. Call PacCoast parts, (800) 262-1312

they have one in stock. hurry!
73
Bill
"pclisbee <pbclisbee@...>" <pbclisbee@...> wrote:I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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262. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-18 02:16:58 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 262

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /cinch_jones_Electrical.doc
Uploaded by : pclisbee <pbclisbee@...>
Description : 520S Pwr Connector Spec.

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/cinch_jones_Electrical.doc

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

pclisbee <pbclisbee@...>

263. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-18 02:22:10 UTC
From: Perry Clisbee
Topic: 248 Message: 263

Bill, I put the spec in the files part of the site under Cinch-Jones.
Bing, kg7sf
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 17, 2003 1:27 PM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Hi Bing,

Sorry but I have attachments disabled. This is to prevent spread of Trojan programs.

If you could upload it to the "files" area of the group, that would be very helpful. I realize it's more steps but it's for the best of the group.

Thanks very much,

Bill K0ZL

Perry Clisbee <pbclisbee@...> wrote:

Thanks Larry.
I am attaching the specs for the socket (on the left side of the drawing). See if it matches the 820.
Bing, kg7sf
----- Original Message -----
From: Larry Frimanslund
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 17, 2003 3:27 AM
Subject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..
LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
NØWSJ
TEN TEN #68836
GRID SQUARE EN 37FF
----- Original Message -----
From: pclisbee <pbclisbee@...>
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, February 16, 2003 9:50 PM
Subject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?

Thanks,
Bing

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> ATTACHMENT part 2 application/msword name=cinch_jones_Electrical.doc

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264. Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-18 14:08:40 UTC
From: Bill
Topic: 248 Message: 264

Thanks Bing!
Yaesu FT-SERIES, same problem..
Perry Clisbee <pbclisbee@...> wrote:Bill, I put the spec in the files part of the site under Cinch-Jones.Bing, kg7sf----- Original Message ----- From: Bill To: TS-520_820_530_830@yahoogroups.com Sent: Monday, February 17, 2003 1:27 PMSubject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S

Hi Bing,
Sorry but I have attachments disabled. This is to prevent spread of Trojan programs.
If you could upload it to the "files" area of the group, that would be very helpful. I realize it's more steps but it's for the best of the group.
Thanks very much,
Bill K0ZL
Perry Clisbee <pbclisbee@...> wrote: Thanks Larry.I am attaching the specs for the socket (on the left side of the drawing). See if it matches the 820.Bing, kg7sf----- Original Message ----- From: Larry Frimanslund To: TS-520_820_530_830@yahoogroups.com Sent: Monday, February 17, 2003 3:27 AMSubject: Re: [TS-520_820_530_830] Power plug for a Kenwood TS-520S i have one if it would be the same plug that fits the kenwood ts 820 if so let me know and we can arrange to get it to u..LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
N?WSJ
TEN TEN #68836
GRID SQUARE EN 37FF----- Original Message ----- From: ">pclisbee <pbclisbee@...> To: TS-520_820_530_830@yahoogroups.com Sent: Sunday, February 16, 2003 9:50 PMSubject: [TS-520_820_530_830] Power plug for a Kenwood TS-520S
I have looked everwhere for a plug for my TS-520S tranceiver, and I
can't find one anywhere. Would anyone know how I might get hold of
one?
Thanks,
Bing

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> ATTACHMENT part 2 application/msword name=cinch_jones_Electrical.doc

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265. YK-88C Attenuation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 04:35:03 UTC
From: Alan Wormser
Topic: 265 Message: 265

I have a TS-830s that already ahd the YG-88C 455 kHz CW filter. I just installed the YK-88C 8.3 MHz cw filter, and now the received signal is attenuated on the narrow CW setting - perhaps by 10 to 20 dB. That wasn't the case with just the YG-88C installed.

I also notice that the signal peaks when I have IF shift about 1 tick mark off-center to the left (minus side). I had noticed this before when I had the YG-88C by itself, and that the more I narrowed the VBT, the more I had to peak the IF shift to the left to track the station.

So, is the attenution normal? I don't expect so, since it makes weak signals disappear -- the opposite of what I wanted!

Any ideas before I mess something else up?

Alan N5LF

266. Re: [TS-520_820_530_830] YK-88C Attenuation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 15:50:33 UTC
From: r tg
Topic: 265 Message: 266

Perhaps just a typo but the correct 455kHz(2nd IF) filter is the YG-455C filter and the correct 1st IF filter is the YK-88C.
If you do infact have the YG-88C installed in the 2nd IF location? I would expect alot of attenuation from that filter by itself if this is the case.
Good Luck,
Rob - WR1N

Alan Wormser <awkbiss@...> wrote:I have a TS-830s that already ahd the YG-88C 455 kHz CW filter. I just
installed the YK-88C 8.3 MHz cw filter, and now the received signal is
attenuated on the narrow CW setting - perhaps by 10 to 20 dB. That wasn't
the case with just the YG-88C installed.

I also notice that the signal peaks when I have IF shift about 1 tick mark
off-center to the left (minus side). I had noticed this before when I had
the YG-88C by itself, and that the more I narrowed the VBT, the more I had to
peak the IF shift to the left to track the station.

So, is the attenution normal? I don't expect so, since it makes weak signals
disappear -- the opposite of what I wanted!

Any ideas before I mess something else up?

Alan N5LF

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267. VFO-230 Display and Sound

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 15:59:09 UTC
From: r tg
Topic: 267 Message: 267

I have just completed repairing the power supply on a defective VFO-230. It works with the 830 just fine but two issues seem to be left.

1 - A couple of digits on the display are faint. Anyway place to look at the driver or PS for the display tube or is a new tube required. The display shows the correct numbers just faint.

2 - Is the unit supposed to beep? If so, when? I get no tones and there is a componet that looks like a piezo buzzer on the PS board.

Other than that it works great. BTW, the PS design is poor. It is a linear design and uses resistors to dissipate power when going from a higher voltage supply to a lower voltage supply and one resistor R10 270ohm is underated for it's power dissipation.

TIA,

Rob - WR1N

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268. Re: [TS-520_820_530_830] YK-88C Attenuation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 18:28:42 UTC
From: Bill
Topic: 265 Message: 268

Double check your soldering around the filter pins.
You should not see more than 1 s unit decrease in signal when turning on the narrow filter (at passband center). It's quite possible that you have a bad filter; or, the filter select function is not configured for having the optional filter.
I think there is a jumper you have to move on a connector on the IF unit when installing narrow filters, no?
b
Alan Wormser <awkbiss@...> wrote:I have a TS-830s that already ahd the YG-88C 455 kHz CW filter. I just
installed the YK-88C 8.3 MHz cw filter, and now the received signal is
attenuated on the narrow CW setting - perhaps by 10 to 20 dB. That wasn't
the case with just the YG-88C installed.

I also notice that the signal peaks when I have IF shift about 1 tick mark
off-center to the left (minus side). I had noticed this before when I had
the YG-88C by itself, and that the more I narrowed the VBT, the more I had to
peak the IF shift to the left to track the station.

So, is the attenution normal? I don't expect so, since it makes weak signals
disappear -- the opposite of what I wanted!

Any ideas before I mess something else up?

Alan N5LF

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269. Re: [TS-520_820_530_830] VFO-230 Display and Sound

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 18:36:59 UTC
From: Bill
Topic: 267 Message: 269

Have never heard an 830 beep.
The power supply board is actually pretty reliable. The resistors should not be overheating. Also, they act like fuses when something goes wrong in the PA. Don't oversize them or more damage will result if you get a tube failure.
The display tubes for these rigs are getting to be hard to find.
Also on the tube circuit board, there are two-100 ohm 1/2 watt resistors for the screens; these should not be "upsized" for the same reason. These are your "screen fuses".
Bill
r tg <rtg222@...> wrote:
I have just completed repairing the power supply on a defective VFO-230. It works with the 830 just fine but two issues seem to be left.

1 - A couple of digits on the display are faint. Anyway place to look at the driver or PS for the display tube or is a new tube required. The display shows the correct numbers just faint.

2 - Is the unit supposed to beep? If so, when? I get no tones and there is a componet that looks like a piezo buzzer on the PS board.

Other than that it works great. BTW, the PS design is poor. It is a linear design and uses resistors to dissipate power when going from a higher voltage supply to a lower voltage supply and one resistor R10 270ohm is underated for it's power dissipation.

TIA,

Rob - WR1N

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270. Re: [TS-520_820_530_830] VFO-230 Display and Sound

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 19:08:56 UTC
From: r tg
Topic: 267 Message: 270

Bill,
Thanks for the reply. In my early post I was refering to the VFO-230, not the TS-830S.
The VFO-230 has the PS design issues, from what I can see, and has the peizo componet.
Tnx,
Rob

Bill <coorsbill@...> wrote:
Have never heard an 830 beep.
The power supply board is actually pretty reliable. The resistors should not be overheating. Also, they act like fuses when something goes wrong in the PA. Don't oversize them or more damage will result if you get a tube failure.
The display tubes for these rigs are getting to be hard to find.
Also on the tube circuit board, there are two-100 ohm 1/2 watt resistors for the screens; these should not be "upsized" for the same reason. These are your "screen fuses".
Bill
r tg <rtg222@...> wrote:
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TIA,

Rob - WR1N

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271. Re: [TS-520_820_530_830] VFO-230 Display and Sound

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-19 23:36:30 UTC
From: Bill
Topic: 267 Message: 271

Don't have skem for the VFO-130...
sorry I couldn't help more.
b
r tg <rtg222@...> wrote:
Bill,
Thanks for the reply. In my early post I was refering to the VFO-230, not the TS-830S.
The VFO-230 has the PS design issues, from what I can see, and has the peizo componet.
Tnx,
Rob

Bill <coorsbill@...> wrote:
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Bill
r tg <rtg222@...> wrote:
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1 - A couple of digits on the display are faint. Anyway place to look at the driver or PS for the display tube or is a new tube required. The display shows the correct numbers just faint.

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TIA,

Rob - WR1N

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272. Re: [Kenwood] YK-88C Attenuation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-20 05:34:33 UTC
From: Alan Wormser
Topic: 272 Message: 272

Thanks for the quick replies. Yes, it is the YK-88C and the YG-465C (not the YG-88, which is the 8.8 MHz IF filter for the TS-820, not the TS-830). I was typing faster than my brain -- a common Internet malady in Newsgroups.

Looks like it's nearly unanimous - receiver alignment.

Will check CW4 jumper--that'd be too easy. Then do the (easier) alignment in the Owner's Manual. Then to the Richard Measures' article and the Service Manual --- with help from friends with the right test gear.

I'm gonna learn this rig, or kill it trying...

But there's always Plan "D": Box it up & ship it to Avvid (if they'll still take it). But I won't learn as much by doing that. Wish me luck, and anyone with warning of pitfalls - bad instructions in the manuals, etc. - please let me & the rest of us know!

Thanks to all who replied!

Alan N5LF
(Killer of wax slug-tuned cores & printed circuit pads).

273. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-25 13:34:35 UTC
From: f x
Topic: 235 Message: 273

Bill,
Yes, the CW filter is installed... As I have fiddled around with various settings, I find that most likely the IF is off just a tad... If I shift the passband a little, the CW filter (narrow) comes to life... and I have to make SURE that the VBT is wide open, else no signal to the narrow filter... so it probably needs a little tweak.. as soon as the contest is over this weekend, I will box it up and send it along for a thorough check up and alignmen... I will be gone the following two weeks anyway and will provide shipping details in an enclosed letter... (don't want the rig to get back before I do..)
regards
Raleigh
NY0Y
Bill <coorsbill@...> wrote:
Good to hear another one gets back on the air! Great...
You sure you have the CW filter installed? :)
b
f x <dawnlight1491@...> wrote:
Dear Group...

I have seen some threads about what happens after long storage... Thought I would share my experience...

In July 1995, I went QRT and moved to Singapore... The TS-830 was stored in its original factory box... It resided in a garage in the Texas panhandle for seven and a half years, subject to the vagaries of weather (heat and cold, but low humidity), untouched.

Yesterday, the bug (no pun intended) bit me, and the rig was unpacked. Rummaging through the odds and ends, I uncovered a G5RV antenna.. slapped it up with the ends about as high as I can reach, middle at maybe 15 feet or so..

With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

Only thing that seems a little "off" is the CW narrow position... the output is very very low... seems to be a lot of loss in that circuit... otherwise, ALL functions seem to be working... am considering sending it to Bill for a complete alignment, just to be sure, but it seems just as good as seven years ago.... Kenwood builds solid stuff!!!!

73

NY0Y

Raleigh

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274. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-25 14:06:00 UTC
From: Bill
Topic: 235 Message: 274

OK thanks for the heads up! Have a safe and fun trip.
bill
f x <dawnlight1491@...> wrote:
Bill,
Yes, the CW filter is installed... As I have fiddled around with various settings, I find that most likely the IF is off just a tad... If I shift the passband a little, the CW filter (narrow) comes to life... and I have to make SURE that the VBT is wide open, else no signal to the narrow filter... so it probably needs a little tweak.. as soon as the contest is over this weekend, I will box it up and send it along for a thorough check up and alignmen... I will be gone the following two weeks anyway and will provide shipping details in an enclosed letter... (don't want the rig to get back before I do..)
regards
Raleigh
NY0Y
Bill <coorsbill@...> wrote:
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You sure you have the CW filter installed? :)
b
f x <dawnlight1491@...> wrote:
Dear Group...

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In July 1995, I went QRT and moved to Singapore... The TS-830 was stored in its original factory box... It resided in a garage in the Texas panhandle for seven and a half years, subject to the vagaries of weather (heat and cold, but low humidity), untouched.

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With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

Only thing that seems a little "off" is the CW narrow position... the output is very very low... seems to be a lot of loss in that circuit... otherwise, ALL functions seem to be working... am considering sending it to Bill for a complete alignment, just to be sure, but it seems just as good as seven years ago.... Kenwood builds solid stuff!!!!

73

NY0Y

Raleigh

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275. Re: After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-25 15:59:11 UTC
From: rsakabu <rsakabu@pwav.com>
Topic: 235 Message: 275

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...>
wrote:

> Only thing that seems a little "off" is the CW narrow position...
the output is very very low... seems to be a lot of loss in that
circuit... otherwise, ALL functions seem to be working... am
considering sending it to Bill for a complete alignment, just to be
sure, but it seems just as good as seven years ago.... Kenwood builds
solid stuff!!!!
> 73
>
> NY0Y
>
> Raleigh

Raleigh,
Someone on the Kenwood reflector list had what sounds like a similar
problem, maybe you don't want to or can't work on the alignment part,
but read on. You could do a physical inspection of the IF section and
see if this fix works for you.

_____
Original post:

I have a TS-830s that already ahd the YG-88C 455 kHz CW filter. I
just installed the YK-88C 8.3 MHz cw filter, and now the received
signal is attenuated on the narrow CW setting - perhaps by 10 to 20
dB. That wasn't the case with just the YG-88C installed.

I also notice that the signal peaks when I have IF shift about 1 tick
mark off-center to the left (minus side). I had noticed this before
when I had the YG-88C by itself, and that the more I narrowed the VBT,
the more I had to peak the IF shift to the left to track the station.

So, is the attenution normal? I don't expect so, since it makes weak
signals disappear -- the opposite of what I wanted!

Any ideas before I mess something else up?

_____
Follow up:

Problem solved! Thanks to all who responded.

After quickly checking the 6 solder points of the YK-88C filter, and
that the jumper was set to CW4, I did the first steps in aligning the
receiver - per the TS-830 user's manual. The only slugs that seemed

to make a difference in volume of the sound coming out the speaker were T2 (RF Board), and L3,L6, and L7 (IF Board). The others (L2, L4, L5, and L11 on the IF Board) didn't seem to have any affect -- at least using the crude methods of tuning by ear for max noise (AGC off) or by using the 25 kHz XTAL marker & watching the S-Meeter with AGC turned to "fast."

Note that although L12 is mentioned in the Users Manual alignment procedure. it is NOT mentioned in the procedure shown in the Severice Manual, nor does it appear on any diagrams from either manual.

So I peaked T2, L3, L6, and L7 and left the others where there were. There may have been some improvement in audio, but it is very slight. Because of the next discovery, I didn't finish the realignment.

I then looked more closely at the underside of the IF board, where the YK-88C filter is soldered. Using a magnifying glass, I finally saw that the problem: A trace/pad had lifted off the printed circuit board, and slid sideways close enough to short out the two pins at one end of the filter. So, I reheated the solder and used the tuning tool to shove the pad back into position, separating the two pins.

When I tried the TS-830, my attenuation problem was gone. Now insertion loss is less than 1 or 2 dB -- less than 1/2 S-unit according to the S-meter.

Good luck
Roy
AD6ZU

276. Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-26 04:36:03 UTC
From: Keith Ushman <Ushman@insightbb.com>
Topic: 241 Message: 276

I am looking for a Kenwood SW200/SW2000 watt meter with module and a Kenwood HC10 digital world clock to complete my TS520Se station.

Must be in excellent condition...please e-mail with price.

277. Wanted : VFO-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-02-26 23:25:52 UTC
From: n5nme <n5nme@yahoo.com>
Topic: 277 Message: 277

I am looking for a working VFO-520s for my station. Please contact me
if you have one for sale.

Thank You,
John

278. ts530sp mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-02 08:09:06 UTC
From: Nigel <nhead@cwctv.net>
Topic: 278 Message: 278

hi everyone i have a ts530sp the mic
that came with it is a cb hand mic i
am not sure whether this is working
well with the rig as i have had
several comments of audio could be
louder. could anyone tell me if
there is a better type of mic i
could use to help improve my audio.
all the best nigel m0dbo

279. Re: [TS-520_820_530_830] ts530sp mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-02 08:23:27 UTC
From: william stephenson
Topic: 278 Message: 279

Hi Nigel,
i use the kenwood mc50 with mine, the cb one you use is probably
only a low impedence mic and you need to get a hi z type .
The handbook does say either a low (500 ohm) or a high (50k ohm) can be
used, but i have never had good results with a low imp type.
Sure some others members of the group will give you more advice

73

Bill G4KKI
----- Original Message -----
From: <nhead@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, March 02, 2003 8:09 AM
Subject: [TS-520_820_530_830] ts530sp mic

> hi everyone i have a ts530sp the mic
> that came with it is a cb hand mic i
> am not sure whether this is working
> well with the rig as i have had
> several comments of audio could be
> louder. could anyone tell me if
> there is a better type of mic i
> could use to help improve my audio.
> all the best nigel m0dbo
>
>
>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
>
>
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>
>

280. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-02 13:22:43 UTC
From: f x
Topic: 235 Message: 280

Bill,
Know you have sent the shipping address earlier, but darned if I can find it now... Please resend shipping address.
Regards
Raleigh
NY0Y
Bill <coorsbill@...> wrote:
OK thanks for the heads up! Have a safe and fun trip.
bill
f x <dawnlight1491@...> wrote:
Bill,
Yes, the CW filter is installed... As I have fiddled around with various settings, I find that most likely the IF is off just a tad... If I shift the passband a little, the CW filter (narrow) comes to life... and I have to make SURE that the VBT is wide open, else no signal to the narrow filter... so it probably needs a little tweak.. as soon as the contest is over this weekend, I will box it up and send it along for a thorough check up and alignmen... I will be gone the following two weeks anyway and will provide shipping details in an enclosed letter... (don't want the rig to get back before I do..)
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Raleigh
NY0Y
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You sure you have the CW filter installed? :)
b
f x <dawnlight1491@...> wrote:
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With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

Only thing that seems a little "off" is the CW narrow position... the output is very very low... seems to be a lot of loss in that circuit... otherwise, ALL functions seem to be working... am considering sending it to Bill for a complete alignment, just to be sure, but it seems just as good as seven years ago.... Kenwood builds solid stuff!!!!

73

NY0Y

Raleigh

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281. Re: [TS-520_820_530_830] ts530sp mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-03 14:18:36 UTC
From: Bill
Topic: 278 Message: 281

Keep an eye out for any of the Kenwood desk mics, MC-50, MC-60, etc.
The Shure 444 is reasonably priced and works well.
The Astatic 10DA head on a UG-8 stand is snazzy looking and works well.
Hand mics, look for the MC-43 and put a 4 wire plug on it.
bill
"Nigel <nhead@...>" <nhead@...> wrote:hi everyone i have a ts530sp the mic
that came with it is a cb hand mic i
am not sure whether this is working
well with the rig as i have had
several comments of audio could be
louder. could anyone tell me if
there is a better type of mic i
could use to help improve my audio.
all the best nigel m0dbo

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282. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-03 14:25:15 UTC
From: Bill
Topic: 235 Message: 282

OK here 'tis:B&B TECHNICAL SERVICES5293 ARBUTUS STARVADA CO 80002303-424-4858
Please be sure to double-box the rig. and please do not use the postal service. They have a bad time with the big rigs. Use UPS or FedEx.

Thanks!

Bill
f x <dawnlight1491@...> wrote:
Bill,
Know you have sent the shipping address earlier, but darned if I can find it now... Please resend shipping address.
Regards
Raleigh
NY0Y
Bill <coorsbill@...> wrote:
OK thanks for the heads up! Have a safe and fun trip.
bill
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Bill,
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With trepidation, I plugged it into the mains and flipped the ON switch... to my delight, it came right up and in short order I was copying CW again... Finally, the acid test... ON with the heater switch, wait a few minutes and key down and tune... To my utter delight, I am getting about 90+ watts out of my MFJ tuner... and just to prove that the power is real, I worked OK2 and VK6 on 40 CW this morning... this from a 9-land QTH...

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NY0Y

Raleigh

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283. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-03 14:29:13 UTC
From: f x
Topic: 235 Message: 283

OK Bill thanks... we doubled up...
Until will leave Illinois today via 2 day parcel post.
regards
Raleigh
Bill <coorsbill@...> wrote:
OK here 'tis: B&B TECHNICAL SERVICES5293 ARBUTUS STARVADA CO 80002303-424-4858
Please be sure to double-box the rig. and please do not use the postal service. They have a bad time with the big rigs. Use UPS or FedEx.

Thanks!

Bill
f x <dawnlight1491@...> wrote:
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Know you have sent the shipping address earlier, but darned if I can find it now... Please resend shipping address.
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NY0Y

Raleigh

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284. Re: [TS-520_820_530_830] After a long sleep...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-03 14:36:34 UTC
From: Bill
Topic: 235 Message: 284

Cool, thanks!
bill
f x <dawnlight1491@...> wrote:
OK Bill thanks... we doubled up...
Until will leave Illinois today via 2 day parcel post.
regards
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285. Help wanted from New Ham & 520 user

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-03 04:34:36 UTC
From: kmbadlose <ve3bhp@rac.ca>
Topic: 285 Message: 285

Hi All:

So happy to have been able to find this group. I just recently got my Amatuer licence here in Toronto,Canada and after much research and rave reviews from users old and new chose to buy a TS520S as my very first rig to get started in this wonderful hobby. I have found many helpful posts in this group already.

I have a question that I hope is not too basic, but I hope someone can give me the more than likely obvious answer to. In going through the manual for the tune up and calibration settings everything is fairly straight forward although I am having a hard time understanding what the "plate control" does and how I am to set the indicator up for first use. What I mean is,that I have noticed that the knob has no clockwise or counter clockwise stopping point like all the other controls. How do I know if the plastic ring with the pointer is set correctly? I have noticed that it (the plastic ring indicatior) is able to be shifted independently of the knob. Any help with how to set this correctly for the first time would be greatly appreciated.

Also,I have a MC-60 mic that I'd like to convert for use with the TS520S. Is there a ready made adapter for this configuration, or will I just need to get a 4-pin mic plug and re-wire it appropriately.

73's
Peter
VE3BHP
ve3bhp@...

286. Re: [TS-520_820_530_830] Help wanted from New Ham & 520 user

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-04 00:53:37 UTC
From: Bill
Topic: 285 Message: 286

Hi Peter,
The PLATE control is on a "vernier" or "planetary" drive, which makes it easier to get a more precise adjustment.
The control goes round and round because the tuning capacitor to which it is attached has no stops. It will not harm the system to do this. You will notice once you get the radio tuned, there are two places where you will get the same results; where the marking for the band is correct, and on the opposite side where there are no markings.
As for whether it is right or not, just tune up per the book, and see if the pointer is somewhere near the proper band marking.
The function of the tuning control is to "resonate" the plate output tank circuit. It does this by varying the variable capacitor against the plate tank inductor so as to set up a parallel resonant circuit for the tube plates to work into. This is the input side of the "pi network" output circuit.
The loading control is also a variable capacitor. It is the "output end" of the pi network and sets up a SERIES resonant circuit for the plate tank circuit, to transform the high impedance of the plate circuit to the low 50 ohm impedance of the antenna circuit. Thus you get efficient power transfer when everything is matched up.
Read more about inductance, capacitance and resonance in the ARRL Handbook, most any year.
73!
Bill
"kmbadlose <ve3bhp@...>" <ve3bhp@...> wrote:Hi All:

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my Amatuer licence here in Toronto,Canada and after much research and
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fairly straight forward although I am having a hard time
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287. Re: [TS-520_820_530_830] Help wanted from New Ham & 520 user

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-04 23:37:59 UTC
From: Peter Weinzettl
Topic: 285 Message: 287

Thank's Bill for the quick response:

Makes alot more sense now. It'd help some of us newbies if Kenwood would have thought to put info like this into their manuals.

I'll probably have alot more questions as I go along, hope you don't mind.

73's
Pete
VE3BHP
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, March 03, 2003 7:53 PM
Subject: Re: [TS-520_820_530_830] Help wanted from New Ham & 520 user

Hi Peter,

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The control goes round and round because the tuning capacitor to which it is attached has no stops. It will not harm the system to do this. You will notice once you get the radio tuned, there are two places where you will get the same results; where the marking for the band is correct, and on the opposite side where there are no markings.

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288. Re: [TS-520_820_530_830] Help wanted from New Ham & 520 user

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-05 14:43:24 UTC
From: Bill
Topic: 285 Message: 288

I think Kenwood's approach was that back then, tube rigs were the norm and anyone buying them MUST know how they work! hi hi
Actually the pi output network is a facinating thing and bears study to truly appreciate it. Best to get one of the older handbooks (1988 back to about 1955) and study all you can about tube matching networks etc...
I am thinking of modding a SB-200 amp to take 2 each 4cx250b tubes... more efficient on 10m!
bill
Peter Weinzettl <inmotion@...> wrote:Thank's Bill for the quick response: Makes alot more sense now. It'd help some of us newbies if Kenwood would have thought to put info like this into their manuals. I'll probably have alot more questions as I go along, hope you don't mind. 73'sPeteVE3BHP----- Original Message ----- From: Bill To: TS-520_820_530_830@yahoogroups.com Sent: Monday, March 03, 2003 7:53 PMSubject: Re: [TS-520_820_530_830] Help wanted from New Ham & 520 user

Hi Peter,
The PLATE control is on a "vernier" or "planetary" drive, which makes it easier to get a more precise adjustment.
The control goes round and round because the tuning capacitor to which it is attached has no stops. It will not harm the system to do this. You will notice once you get the radio tuned, there are two places where you will get the same results; where the marking for the band is correct, and on the opposite side where there are no markings.
As for whether it is right or not, just tune up per the book, and see if the pointer is somewhere near the proper band marking.
The function of the tuning control is to "resonate" the plate output tank circuit. It does this by varying the variable capacitor against the plate tank inductor so as to set up a parallel resonant circuit for the tube plates to work into. This is the input side of the "pi network" output circuit.
The loading control is also a variable capacitor. It is the "output end" of the pi network and sets up a SERIES resonant circuit for the plate tank circuit, to transform the high impedance of the plate circuit to the low 50 ohm impedance of the antenna circuit. Thus you get efficient power transfer when everything is matched up.
Read more about inductance, capacitance and resonance in the ARRL Handbook, most any year.
73!
Bill
"kmbadlose <ve3bhp@...>" <ve3bhp@...> wrote: Hi All:

So happy to have been able to find this group. I just recently got
my Amatuer licence here in Toronto,Canada and after much research and
rave reviews from users old and new chose to buy a TS520S as my very
first rig to get started in this wonderful hobby. I have found many
helpful posts in this group already.

I have a question that I hope is not too basic, but I hope someone
can give me the more than likely obvious answer to. In going through
the manual for the tune up and calibration settings everything is

fairly straight forward although I am having a hard time
understanding what the "plate control" does and how I am to set the
indicator up for first use. What I mean is,that I have noticed that
the knob has no clockwise or counter clockwise stopping point like
all the other controls. How do I know if the plastic ring with the
pointer is set correctly? I have noticed that it (the plastic ring
indicatior) is able to be shifted independently of the knob. Any
help with how to set this correctly for the first time would be
greatly appreciated.

Also,I have a MC-60 mic that I'd like to convert for use with the
TS520S. Is there a ready made adapter for this configuration, or
will I just need to get a 4-pin mic plug and re-wire it appropriately.

73's
Peter
VE3BHP
ve3bhp@...

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289. TS-820 Demystification

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-06 17:23:33 UTC
From: overthepole
Topic: 289 Message: 289

Greetings Group,

I just came across this group and am glad to have found it. I own and operate a TS-820 and I really enjoy it. It was my first HF rig, my HF Elmer sold it to me and I've been using it off and on for the last 12 years. I just set it back up after having moved into a space that allows me to run high power and have the yagi back up. I've been an apartment dweller recently and I've been using the Yaesu FT-817 to stay out of the neighbor's appliances, etc. It was fun, I love the rig, but I'm glad to be back on tubes again. I always get outstanding audio reports from the 820 and enjoy the ritual of tuning it up. It's confirmed over 120 countries for me and I'm pretty loyal to it.

Over time, I've wished that someone I knew had a plethora of knowledge about the quirks of the 820. I seemed to have found a great resource here and hope you all don't mind if I ask a few questions. Some of them are basic, but I haven't used the radio in awhile and need to get back in the groove, others are things from the "I've always wondered about that" file.

My set up here is the 820 running through an MFJ-949E tuner out to an Explorer 14 at 55 feet. Both the radio and tower have their own ground rods.

First, let's talk tuning. I've always tuned the radio into a dummy load fist, with the carrier knob lowered until I get things up to snuff. I've always understood the relationship between the Plate and Drive. I peak the Drive and dip the Plate. I do this back and forth a few times until the SWR looks minimal into the dummy load. Then I add carrier to get the power up and tweak the Plate and Drive as needed. I then run the carrier up so that in CW on key down it shows an IP of 230 mA. Is that value correct? Is it higher?

Notice in this process that I never mentioned the Load knob. It seems to adversely affect my tune when moved and so it remains stationary. Can someone demystify the Load knob? There are instructions in the manual about using the send and adjusting it for max deflection, but there is no deflection when I follow their instructions. Am I doing something wrong here?

I think there is a fine line between thinking that the radio has a problem and the problem actually being located between the key and the chair! ;)

Also, the radio seems to be "moody". Some days when I fire it up the meter light flickers a little after turning the heaters on and it seems to put out less than full power. I can't quite get it up to the usual output. I always allow the rig time to warm up, so I know it isn't that. I let the rig run with just the power on for 10 minutes or so, then turn on the heater for 10 minutes or so before tuning up. The best way to describe it is that sometimes it just doesn't seem to come all the way on. It works fine; just the power levels are not as high and the meter response on transmit doesn't seem as lively. Thoughts? Also, after it has been on for most of the day it seems like the audio begins to get a hum in it. It's slight, but everyone's audio seems a bit dirty. Something in the audio circuit drifting perhaps?

Tubes. I believe the tubes in this radio might be the originals or maybe the second set. (The rig will celebrate its 25th anniversary this year. 25th is the glass anniversary isn't it? ;) If replaced I'm told I can use 6146B's. The service manual mentions another tube used as the driver for the two finals. Is there a common replacement for this one as well? Is changing them as simple as pull the cover, swap `em out and away you go? Is it worth it to spend a few extra bucks and get a matched set? Can anyone recommend the best brand and resource for purchasing new tubes? I'm thinking that these tubes might be getting old. The output power seems to be lower even when operating at low SWR and key down plate current is 230 mA especially on 10M. How can you tell if the tubes need to be replaced? Again, here is the fine line between my thinking they're tired and the possibility that I'm not tuning the rig correctly. I have however, been very careful not to abuse the tubes. Any tips on these issues?

Also, I show a HV reading on key down of 900V. Correct? I've also adjusted the idle current back to 60mA. It had worked its way up to 70mA over time.

The radio has the Freq. Counter option installed. I've had to pull it numerous times to clean the contacts after it started giving me random values. Today, it goes back and forth between being accurate and just showing 9.000.0. I read that the 9.000.0 value is due to no input to the counter. Anyone figure out a solution for cutting down the amount of fussing with this or is it just one of the joys of ownership? I also have the remote VFO-820 connected. I can sometimes correct the situation by wiggling the connectors for this, but it doesn't always seem to be the cause.

Also, the VOX doesn't want to work. I can't get it to activate. I've though about trying to use it although I enjoy the ritual of keying a mic and don't think I want to cycle the transmit relay that much, so it's more of a "wonder why not" than an issue. Could it be the way I've wired the mic? I'm running an old Astatic D-104 that's sounds terrific I'm told, perhaps that has something to do with it?

Lastly, who is the repair guru for this rig? Who is THE person I should send it to if the need should arise?

Thanks for bearing with the degree of verbosity, but finding this group was like pay-dirt and I had a few questions stored up. With all the new fancy rigs hitting the market every year, I remain loyal to the 820. Perhaps I'll upgrade someday, but for now I'll stick with the tubes.

Thanks in advance for any and all assistance,

Best 73s,

Jeffrey
N6QYS

290. TS-520 slow to return to receive.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-07 15:35:29 UTC
From: ww3o2003
Topic: 290 Message: 290

Morning guys. I had a problem with a 520 where the receive audio was slow to return when the PTT was released. I checked the "RL" terminal on the VOX board for 12 volts switching to the field of the PTT relay. It was okay but the audio was still delayed over a second. I then unscrewed the VOX board from the chassis. It's the one, second from the rear on the left, topside of the rig. The relay is a plug-in and is accessable after removing the VOX screws and moving the board aside. There's enough slack in the wiring so it's an easy operation. Once the relay is removed the clear plastic cover can be pryed off and the relay serviced. I found a small piece of metal jammed into the axle where the armature pivots. I sprayed tuner cleaner all over the relay, blew out trhe excess and reinstalled the cover. Once back in the rig with everything tighened up I checked the rigs operation. The T/R switching works like the rig was brand new! The piece of metal must have been laying in that relay since new (25+ yrs) and finally lodged in the axle when the rig was transported. The Kenwood Service Manual for the 520 outlines the removal of the relay very clearly.
Hope this helps.

Pete Carr WW3O
State College, PA

291. Re: [TS-520_820_530_830] TS-520 slow to return to receive.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 13:30:16 UTC
From: Bill
Topic: 290 Message: 291

Congrats Pete, good job!
Funny how such a small thing can drive a piece of technology into the ground...
b
ww3o2003 <pscarr@...> wrote:Morning guys. I had a problem with a 520 where the receive audio was
slow to return when the PTT was released. I checked the "RL"
terminal on the VOX board for 12 volts switching to the field of the
PTT relay. It was okay but the audio was still delayed over a second.
I then unscrewed the VOX board from the chassis. It's the one,
second from the rear on the left, topside of the rig. The relay is a
plug-in and is accessable after removing the VOX screws and moving
the board aside. There's enough slack in the wiring so it's an easy
operation. Once the relay is removed the clear plastic cover can be
pryed off and the relay serviced. I found a small piece of metal
jammed into the axle where the armature pivots. I sprayed tuner
cleaner all over the relay, blew out trhe excess and reinstalled the
cover. Once back in the rig with everything tighened up I checked
the rigs operation. The T/R switching works like the rig was brand
new! The piece of metal must have been laying in that relay since
new (25+ yrs) and finally lodged in the axle when the rig was
transported. The Kenwood Service Manual for the 520 outlines the
removal of the relay very clearly.
Hope this helps.

Pete Carr WW3O
State College, PA

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292. 10m on ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 14:38:38 UTC
From: Nigel
Topic: 292 Message: 292

hi i have a ts530sp which is a great radio but it seems a little deaf on the ten metre band could anyone tell me if there are any remedies.all the best nigel m0dbo

293. Re: [TS-520_820_530_830] 10m on ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 17:11:53 UTC
From: Bill
Topic: 292 Message: 293

Hi Nigel,
Peak it up into a dummy load, see if you are getting 80-100 watts on CW mode.
Turn on the calibrator, and tune around 28.5 for a carrier.
Take top cover off, and on the coil bank on the RF unit in the right side of the radio, locate some cans with "28" on the board. There are three... in a line, front to back, toward the final cage.
Carve a plastic tool to fit the iron powder cores of the front two cans, and peak them for max receive sig on the meter.
Then carve another tool to fit the 28 coil in the back, near the PA cage.
TX in TUNE mode, and reduce carrier as needed to get the ALC meter off the peg.
Tweak the 28 coil nearest the PA cage for max ALC reading.
That's all ya need.
b
Nigel <nhead@...> wrote:hi i have a ts530sp which is a great
radio but it seems a little deaf on
the ten metre band could anyone tell
me if there are any remedies.all the
best nigel m0dbo

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294. Re: [TS-520_820_530_830] TS-820 REPAIR PEOPLE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 17:38:56 UTC
From: Bill
Topic: 289 Message: 294

Hi Jeffrey,
Wow, you poured your guts out on this one... Welcome and thanks for your first post! I would like to respond to your questions, one at a time if you and the list don't mind... will change the subject line to maybe start some new threads over time.
Last question first: Good repair people. I know of several guys that love to work on the 820's, one is Clif of www.avvid.com fame. Another is yers truly at www.amateur-repairs.com , holler at us if you need us. There are several other really good repair firms in the US, also International Radio in Florida but I don't have their website. I am sure other members will pipe up with their favorites. Shipping is a consideration so if you can find a good tech in driving distance, by all means try him first.
73, and enjoy the group!
bill K0ZL
overthepole <overthepole@...> wrote:Greetings Group,

...

Lastly, who is the repair guru for this rig? Who is THE person I
should send it to if the need should arise?

Thanks for bearing with the degree of verbosity, but finding this
group was like pay-dirt and I had a few questions stored up. With
all the new fancy rigs hitting the market every year, I remain loyal
to the 820. Perhaps I'll upgrade someday, but for now I'll stick
with the tubes.

Thanks in advance for any and all assistance,

Best 73s,

Jeffrey
N6QYS

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295. Re: [TS-520_820_530_830] TS-820 and D104 VOX operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 17:45:23 UTC
From: Bill
Topic: 289 Message: 295

For the VOX to work, the mic input to the rig must be "hot" all the time. The mic audio circuit must not go through the push-to-talk switch on the handle. The base of the mic has a circuit diagram, just try jumpering across the switch N.O. contact that is in series with the mic element.
overthepole <overthepole@...> wrote:Greetings Group,

...

Also, the VOX doesn't want to work. I can't get it to activate. I've
though about trying to use it although I enjoy the ritual of keying a
mic and don't think I want to cycle the transmit relay that much,
so it's more of a "wonder why not" than an issue. Could it be the
way I've wired the mic? I'm running an old Astatic D-104 that's
sounds terrific I'm told, perhaps that has something to do with it?

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296. Re: [TS-520_820_530_830] TS-820 COUNTER READS 9.000

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 17:46:46 UTC
From: Bill
Topic: 289 Message: 296

when the counter reads 9.000, is the radio working OK otherwise? In other words, the receive signals have not suddenly gone away?
b
overthepole <overthepole@...> wrote:...

The radio has the Freq. Counter option installed. I've had to pull it numerous times to clean the contacts after it started giving me random values. Today, it goes back and forth between being accurate and just showing 9.000.0. I read that the 9.000.0 value is due to no input to the counter. Anyone figure out a solution for cutting down the amount of fussing with this or is it just one of the joys of ownership? I also have the remote VFO-820 connected. I can sometimes correct the situation by wiggling the connectors for this, but it doesn't always seem to be the cause.

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297. Re: [TS-520_820_530_830] TS-820 TUBE QUESTIONS

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 17:53:38 UTC
From: Bill
Topic: 289 Message: 297

Tubes last longer than transistors if not mistreated!
Matched sets for the finals are not necessary, just make sure they are the same manufacturer. 6146B or 6146W. Surplus Sales of Nebraska sells the W's. If you can find NOS 6146B of any manufacturer, that is fine too. The B tube gives you 20 percent more plate disapation, but this is not consequential in SSB or CW operation, really.
You can run your plate idle current from 35-60 mA with no problem. This will creep around with line voltage, will be lower at dinner time when everyone is cooking.
The 12BY7A driver lasts about 1/2 as long as the finals; that is to say, they are good for 10 years instead of 20, hi hi... I gave a test method back in the archives; if you can't find it let me know. There is an easy way to test both the PA and driver tubes without even removing the covers of the rig.
Swapping tubes requires touch up on the RF deck alignment and possibly neutralization.
900v is normal for plate current.
How much power are you getting out of the rig on 20m and on 10m? use a good meter and a dummy load.
bill
overthepole <overthepole@...> wrote:...

Tubes. I believe the tubes in this radio might be the originals or
maybe the second set. (The rig will celebrate its 25th anniversary
this year. 25th is the glass anniversary isn't it? ;) If replaced I'm
told I can use 6146B's. The service manual mentions another
tube used as the driver for the two finals. Is there a common
replacement for this one as well? Is changing them as simple
as pull the cover, swap `em out and away you go? Is it worth it to
spend a few extra bucks and get a matched set? Can anyone
recommend the best brand and resource for purchasing new
tubes? I'm thinking that these tubes might be getting old. The
output power seems to be lower even when operating at low
SWR and key down plate current is 230 mA especially on 10M.
How can you tell if the tubes need to be replaced? Again, here is
the fine line between my thinking they're tired and the possibility
that I'm not tuning the rig correctly. I have however, been very
careful not to abuse the tubes. Any tips on these issues?

Also, I show a HV reading on key down of 900V. Correct? I've
also adjusted the idle current back to 60mA. It had worked its
way up to 70mA over time.

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298. Re: [TS-520_820_530_830] TS-820 LOW V POWER SUPPLY

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 19:46:33 UTC
From: Bill
Topic: 289 Message: 298

I would go through the power supply and check for bad solder joints on the rectifier unit.. it's mounted center of rig, bottom, near rear apron, has a bunch of little silicon diodes and resistors on it...
Also may have bad power supply filter caps on the low voltage supply. Your Hi-V caps are ok because you are getting 950 volts on the plates.

overthepole <overthepole@...> wrote:...

Also, the radio seems to be "moody". Some days when I fire it up
the meter light flickers a little after turning the heaters on and it
seems to put out less than full power. I can't quite get it up to the
usual output. I always allow the rig time to warm up, so I know it
isn't that. I let the rig run with just the power on for 10 minutes or
so, then turn on the heater for 10 minutes or so before tuning up.
The best way to describe it is that sometimes it just doesn't
seem to come all the way on. It works fine; just the power levels
are not as high and the meter response on transmit doesn't
seem as lively. Thoughts? Also, after it has been on for most of
the day it seems like the audio begins to get a hum in it. It's
slight, but everyone's audio seems a bit dirty. Something in the
audio circuit drifting perhaps?

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299. Re: [TS-520_820_530_830] TS-820 Demystification

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 20:03:49 UTC
From: Bill
Topic: 289 Message: 299

Your explorer 14 should be tuned for the favorite part of each band, you should not be needing a tuner except for band-edge excursions. Get rid of the tuner if you can.
You should not be tuning for minimum SWR from the rig into the dummy load! That is the wrong parameter to be seeking.
Into the dummy load, with the tuner circuits out of the line, in TUNE mode... you peak your DRIVE control for max ALC indication. Reduce the CAR control as needed to keep it off the right hand peg. After you have done this, you don't touch the drive tuning control again. You will bring the power output up and down as needed with the CAR control.
After doing that, switch meter to Ip or plate current, and quickly dip the plate current with the plate tuning control. This resonates the plate circuit and precludes tube damage in the subsequent steps.
Next, switch the meter to RF output indication, and transmit. If you do not have any RF output indication, but an external meter indicates otherwise, there is an adjustment on the back of the rig just above the fan, for PO ADJ. Take the cover off, and rotate that until you get a useful reading (probably less than 1/2 scale at this point). If the meter jerks back and forth, the control is dirty; just operate it a few times and try to find a spot that works. We can clean it later if needed.
Once you get the RF output indication, you are ready for "max smoke". Switch rig to CW mode, turn the CAR control full CW and transmit. With both hands, quickly adjust both the plate TUNE and LOAD controls for max indicated output. They do interact. The LOAD control should be from 10 o'clock to 2 o'clock when you are done, into a dummy load. With an external meter you should see between 80 and 120 watts or possibly more. 120 on 20M and 80-90 watts on 10m is great. If you peak out at 50-60 watts, advance the LOAD control clockwise a bit and retune. If it's less, move the load control back. If it's more, advance the load control again and retune. do this until you see no improvement. This will leave your pi network at the optimum setting for best IMD (least distortion on transmit, less splatter). (Note: tube circuits really like to run at full bore for best results. If you want to try QRP, get a solid state rig).
Now, switch to your antenna (in rx mode of course). Repeat the last step into the antenna. Go for max smoke. NO TUNER. When you are done, quickly measure the swr with the tuner in bypass. I want to know what your SWR is at the favorite part of your favorite band, on the Explorer (that's a real good antenna, and real broad band for a yagi by the way). Again, the tuner is not good to have in the circuit until we get all these other issues resolved.
If any of these steps don't work or is confusing to you, let me know. If you can't get results, let me know.
b
overthepole <overthepole@...> wrote:...

My set up here is the 820 running through an MFJ-949E tuner out
to an Explorer 14 at 55 feet. Both the radio and tower have their
own ground rods.

First, let's talk tuning. I've always tuned the radio into a dummy
load fist, with the carrier knob lowered until I get things up to
snuff. I've always understood the relationship between the Plate

and Drive. I peak the Drive and dip the Plate. I do this back and forth a few times until the SWR looks minimal into the dummy load. Then I add carrier to get the power up and tweak the Plate and Drive as needed. I then run the carrier up so that in CW on key down it shows an IP of 230 mA. Is that value correct? Is it higher?

Notice in this process that I never mentioned the Load knob. It seems to adversely affect my tune when moved and so it remains stationary. Can someone demystify the Load knob? There are instructions in the manual about using the send and adjusting it for max deflection, but there is no deflection when I follow their instructions. Am I doing something wrong here?

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300. Re: TS-820 COUNTER READS 9.000

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 23:00:31 UTC
From: overthepole
Topic: 289 Message: 300

Radio works fine. The counter just has off days. One day it's dead-on, next day it's giving me random values, another day it will just show 9.000.0 or 29.000.0 depending on the band.

Also, the only time that everyhting goes away is when something is up with the connector to the VFO-820. Moving that around can cause receive and display to vanish.

J.

>
> when the counter reads 9.000, is the radio working OK otherwise? In other words, the receive signals have not suddenly gone away?
> b
> overthepole <overthepole@y...> wrote:...
>
> The radio has the Freq. Counter option installed. I've had to pull
> it numerous times to clean the contacts after it started giving me
> random values. Today, it goes back and forth between being
> accurate and just showing 9.000.0. I read that the 9.000.0 value
> is due to no input to the counter. Anyone figure out a solution for
> cutting down the amount of fussing with this or is it just one of
> the joys of ownership? I also have the remote VFO-820
> connected. I can sometimes correct the situation by wiggling the
> connectors for this, but it doesn't always seem to be the cause.
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301. Many Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 23:15:00 UTC
From: overthepole
Topic: 301 Message: 301

Thanks Bill for the info. I'm going to try all the tuning steps and see if I can get this thing to sing. Power-wise I'm only getting 50 -60 watts on 40, 20 and 15. It was more like 25 on 10, but let's hold it until I tune properly!

What is the maximum plate current? Is 230 mA correct?

I'll also look for your trouble shooting guide for the tubes and go through that.

I'll keep you posted!

TNX e 73 de Jeffrey

302. Wanted: SP-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 23:16:37 UTC
From: overthepole
Topic: 302 Message: 302

Anyone have one of these sitting around in need of a good home? I've got the VFO and I'd love to complete the set.

Many thanks!

Jeffrey

303. Wanted: TS-820 Tube Set

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-08 23:18:37 UTC
From: overthepole
Topic: 303 Message: 303

Can anyone recommend a favorite resource for tubes? I've seen
a few online, any preferences?

TNX,

Jeffrey.

304. RE:Re: [TS-520_820_530_830] 10m on ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 00:27:56 UTC
From: nhead@cwctv.net
Topic: 292 Message: 304
Attachments: 1 described; binary payloads are missing from this source WARC

thanks for the advice bill.all the best nigel m0dbo

On Sat, 8 Mar 2003 09:11:53 -0800 (PST) Bill <coorsbill@...> wrote:

305. Re: [TS-520_820_530_830] Re: TS-820 COUNTER READS 9.000

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 13:24:53 UTC
From: Bill
Topic: 289 Message: 305

The VFO signal "y's" out to the VCO/Divider unit to feed the counter, and to the Mixer unit to feed the rest of the radio.
I am thinkin that the VCO/Divider board interconnects need to be cleaned.
b
overthepole <overthepole@...> wrote:Radio works fine. The counter just has off days. One day it's
dead-on, next day it's giving me random values, another day it
will just show 9.000.0 or 29.000.0 depending on the band.

Also, the only time that everyhting goes away is when something
is up with the connector to the VFO-820. Moving that around can
cause receive and display to vanish.

J.

>
> when the counter reads 9.000, is the radio working OK
otherwise? In other words, the receive signals have not suddenly
gone away?
> b
> overthepole <overthepole@y...> wrote:...
>
> The radio has the Freq. Counter option installed. I've had to
pull
> it numerous times to clean the contacts after it started giving
me
> random values. Today, it goes back and forth between being
> accurate and just showing 9.000.0. I read that the 9.000.0
value
> is due to no input to the counter. Anyone figure out a solution
for
> cutting down the amount of fussing with this or is it just one of
> the joys of ownership? I also have the remote VFO-820
> connected. I can sometimes correct the situation by wiggling
the
> connectors for this, but it doesn't always seem to be the cause.
>
>
>
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306. Re: [TS-520_820_530_830] Many Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 13:25:25 UTC
From: Bill
Topic: 301 Message: 306

Should be seeing about .280 for max output, or up to about 330.
I think you have a bad tube.
b
overthepole <overthepole@...> wrote:Thanks Bill for the info. I'm going to try all the tuning steps and
see if I can get this thing to sing. Power-wise I'm only getting 50
-60 watts on 40, 20 and 15. It was more like 25 on 10, but let's
hold it until I tune properly!

What is the maximum plate current? Is 230 mA correct?

I'll also look for your trouble shooting guide for the tubes and go
through that.

I'll keep you posted!

TNX e 73 de Jeffrey

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307. Re: [TS-520_820_530_830] Wanted: TS-820 Tube Set

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 13:26:52 UTC
From: Bill
Topic: 303 Message: 307

RF Parts is trustworthy, as is Surplus Sales of NE
Try ebay... NOS tubes, GE or NEC or Sylvania, should have picture and good feedback rating.
b
overthepole <overthepole@...> wrote:Can anyone recommend a favorite resource for tubes?
I've seen
a few online, any preferences?

TNX,

Jeffrey.

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308. Re: Many Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 18:08:51 UTC
From: overthepole
Topic: 301 Message: 308

--- In TS-520_820_530_830@yahoogroups.com, Bill
<coorsbill@y...> wrote:
Bill,

I can see higher output when I raise the carrier, but the guy who
sold me the rig said to operate it at 230 mA on keydown. So,
although I can get more out of the radio, I haven't because I
thought that was as high as I could run it. Does that make
sense? So the tubes might be ok and I've just been running
them at a lower power.

No luck finding your test methods in the archives, any chance of
you posting that again?

I'm going to go through your tuning steps this morning and run it
up to 280 mA or so and I'll let you kinow what I'm getting out. I
may end up getting a tube set for spares, these still might have
life!

J.

> Should be seeing about .280 for max output, or up to about
330.
> I think you have a bad tube.
> b
> overthepole <overthepole@y...> wrote:Thanks Bill for the info.
I'm going to try all the tuning steps and
> see if I can get this thing to sing. Power-wise I'm only getting
50
> -60 watts on 40, 20 and 15. It was more like 25 on 10, but let's
> hold it until I tune properly!
>
> What is the maximum plate current? Is 230 mA correct?
>
> I'll also look for your trouble shooting guide for the tubes and
go
> through that.
>
> I'll keep you posted!
>
> TNX e 73 de Jeffrey
>
>
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309. Re: [TS-520_820_530_830] Re: Many Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 18:22:26 UTC
From: Bill
Topic: 301 Message: 309

If you are getting 280 mils that is great.
go for max smoke, like I said, tubes don't like to be run at lower powers.
b
overthepole <overthepole@...> wrote:--- In TS-520_820_530_830@yahoogroups.com, Bill
<coorsbill@y...> wrote:
Bill,

I can see higher output when I raise the carrier, but the guy who
sold me the rig said to operate it at 230 mA on keydown. So,
although I can get more out of the radio, I haven't because I
thought that was as high as I could run it. Does that make
sense? So the tubes might be ok and I've just been running
them at a lower power.

No luck finding your test methods in the archives, any chance of
you posting that again?

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may end up getting a tube set for spares, these still might have
life!

J.

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330.
> I think you have a bad tube.
> b
> overthepole <overthepole@y...> wrote:Thanks Bill for the info.
I'm going to try all the tuning steps and
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50
> -60 watts on 40, 20 and 15. It was more like 25 on 10, but let's
> hold it until I tune properly!
>
> What is the maximum plate current? Is 230 mA correct?
>
> I'll also look for your trouble shooting guide for the tubes and
go
> through that.
>
> I'll keep you posted!
>
> TNX e 73 de Jeffrey
>
>

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310. Re: Many Thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-09 18:35:06 UTC
From: overthepole
Topic: 301 Message: 310

Bill,

Here are the results from tuning it on 40M just now.

When peaking the Drive for max output on ALC, the meter starts
out high and falls off pretty rapidly. This normal?

When dipping the Plate the same thing happens only slower rate
of decent.

So, on 7.225 I'm showing an output of 125W on the external
meter, with an IP of 250 mA and an SWR of 1.5:1.

Perhaps if you can come up on 40, you can hear it. Let me know.
I've got 7.225 on right now.

Jeffrey
N6QYS

> If you are getting 280 mils that is great.
> go for max smoke, like I said, tubes don't like to be run at lower
powers.
> b
> overthepole <overthepole@y...> wrote:--- In
TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...> wrote:
> Bill,
>
> I can see higher output when I raise the carrier, but the guy
who
> sold me the rig said to operate it at 230 mA on keydown. So,
> although I can get more out of the radio, I haven't because I
> thought that was as high as I could run it. Does that make
> sense? So the tubes might be ok and I've just been running
> them at a lower power.
>
> No luck finding your test methods in the archives, any chance
of
> you posting that again?
>
> I'm going to go through your tuning steps this morning and run
it
> up to 280 mA or so and I'll let you kinow what I'm getting out. I
> may end up getting a tube set for spares, these still might have
> life!
>
> J.

>
>
> > Should be seeing about .280 for max output, or up to about
> 330.
> > I think you have a bad tube.
> > b
> > overthepole <overthepole@y...> wrote:Thanks Bill for the
info.
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> > see if I can get this thing to sing. Power-wise I'm only getting
> 50
> > -60 watts on 40, 20 and 15. It was more like 25 on 10, but
let's
> > hold it until I tune properly!
> >
> > What is the maximum plate current? Is 230 mA correct?
> >
> > I'll also look for your trouble shooting guide for the tubes and
> go
> > through that.
> >
> > I'll keep you posted!
> >
> > TNX e 73 de Jeffrey
> >
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311. Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-10 04:09:51 UTC
From: overthepole
Topic: 311 Message: 311

I encountered difficulty when trying to tune for 10M. On the first tuning step, when setting the mode to Tune and the meter for ALC, then flipping to Send, there's no meter deflection whatsoever, so setting the Drive was a total guess. I more or less left it where it was for 15M.

I was able to proceed, carefully, from there and managed only to get 45W out at 130 mA IP with an SWR of 1.2:1. This was on CW keydown.

Then, when switching to USB, there was almost no power out until I cranked up the mic gain to finally get the mic to drive the radio. The mic gain is usually left alone across the bands, I don't adjust it. But I was able to get some response from the rig by turning it up.

The low power out may be because of poor tuning, which is due to the Drive being out because there's no deflection on the meter to set it.

Thoughts?

The rig tuned up on 15M with near identical values to the tune on 40M. I'll check 20M in the AM.

Getting closer!

Jeffrey.

312. Re: [TS-520_820_530_830] Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-10 12:59:36 UTC
From: f x
Topic: 311 Message: 312

HI... my 2c worth...
For all tube final rigs, here is a rule of thumb...Start with the Load control at minimum, i.e. counterclockwise... Go key down on CW on the desired band... while monitoring the plate current (Ip), rotate the Drive control for max plate current, and tune the Plate control for a minimum (dip)... now that the tubes are happy, you can increase the loading (Load control) ... after each increase of the load control, redip the plate since there is interaction... Also, keep your other eye on the power out function of your SWR meter...the peak of the power output should coincide with the dip of the plate current... if it does not, that is likely an indication that the finals need to be neutralized... (some parasitic oscillations going on in there)...

If the output on 10 meters is low there are several possibilities...
1. insufficient drive (may require retuning the internal drive coils, or a new drive tube)
2. Finals are "soft" i.e. old, or gassy...
3. Finals out of neutralization
4. Inaccuracy in the power meter reading on 10 meters..

Hope this is helpful.

Regards
NY0Y
Raleigh

overthepole <overthepole@...> wrote:I encountered difficulty when trying to tune for 10M. On the first
tuning step, when setting the mode to Tune and the meter for
ALC, then flipping to Send, there's no meter deflection
whatsoever, so setting the Drive was a total guess. I more or
less left it where it was for 15M.

I was able to proceed, carefully, from there and managed only to
get 45W out at 130 mA IP with an SWR of 1.2:1. This was on CW
keydown.

Then, when switching to USB, there was almost no power out
until I cranked up the mic gain to finally get the mic to drive the
radio. The mic gain is usually left alone across the bands, I don't
adjust it. But I was able to get some response from the rig by
turning it up.

The low power out may be because of poor tuning, which is due
to the Drive being out because there's no deflection on the meter
to set it.

Thoughts?

The rig tuned up on 15M with near identical values to the tune on
40M. I'll check 20M in the AM.

Getting closer!

Jeffrey.

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313. Re: [TS-520_820_530_830] Re: drive falls off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-10 13:59:07 UTC
From: Bill
Topic: 301 Message: 313

Change the 12BY7 tube. Best to use a used one, from ebay or somewhere... get several, as one may be wild and you will need to swap one or two until you find one that is stable.
bill
overthepole <overthepole@...> wrote:Bill,

Here are the results from tuning it on 40M just now.

When peaking the Drive for max output on ALC, the meter starts out high and falls off pretty rapidly. This normal?

When dipping the Plate the same thing happens only slower rate of decent.

So, on 7.225 I'm showing an output of 125W on the external meter, with an IP of 250 mA and an SWR of 1.5:1.

Perhaps if you can come up on 40, you can hear it. Let me know. I've got 7.225 on right now.

Jeffrey
N6QYS

> If you are getting 280 mils that is great.
> go for max smoke, like I said, tubes don't like to be run at lower powers.
> b
> overthepole <overthepole@y...> wrote:--- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...> wrote:
> Bill,
>
> I can see higher output when I raise the carrier, but the guy who
> sold me the rig said to operate it at 230 mA on keydown. So,
> although I can get more out of the radio, I haven't because I
> thought that was as high as I could run it. Does that make
> sense? So the tubes might be ok and I've just been running
> them at a lower power.
>
> No luck finding your test methods in the archives, any chance of
> you posting that again?
>
> I'm going to go through your tuning steps this morning and run it
> up to 280 mA or so and I'll let you kinow what I'm getting out. I
> may end up getting a tube set for spares, these still might have

> life!
>
> J.
>
>
> > Should be seeing about .280 for max output, or up to about
> 330.
> > I think you have a bad tube.
> > b
> > overthepole <overthepole@y...> wrote:Thanks Bill for the
info.
> I'm going to try all the tuning steps and
> > see if I can get this thing to sing. Power-wise I'm only getting
> 50
> > -60 watts on 40, 20 and 15. It was more like 25 on 10, but
let's
> > hold it until I tune properly!
> >
> > What is the maximum plate current? Is 230 mA correct?
> >
> > I'll also look for your trouble shooting guide for the tubes and
> go
> > through that.
> >
> > I'll keep you posted!
> >
> > TNX e 73 de Jeffrey
> >
> >
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314. Re: [TS-520_820_530_830] Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-10 14:18:37 UTC
From: Bill
Topic: 311 Message: 314

Realign the 10M rf coils. See archives from about a week ago to present day. I detailed how to do this. If you can't find it let me know.
b
overthepole <overthepole@...> wrote:I encountered difficulty when trying to tune for 10M. On the first
tuning step, when setting the mode to Tune and the meter for
ALC, then flipping to Send, there's no meter deflection
whatsoever, so setting the Drive was a total guess. I more or
less left it where it was for 15M.

I was able to proceed, carefully, from there and managed only to
get 45W out at 130 mA IP with an SWR of 1.2:1. This was on CW
keydown.

Then, when switching to USB, there was almost no power out
until I cranked up the mic gain to finally get the mic to drive the
radio. The mic gain is usually left alone across the bands, I don't
adjust it. But I was able to get some response from the rig by
turning it up.

The low power out may be because of poor tuning, which is due
to the Drive being out because there's no deflection on the meter
to set it.

Thoughts?

The rig tuned up on 15M with near identical values to the tune on
40M. I'll check 20M in the AM.

Getting closer!

Jeffrey.

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315. Re: [TS-520_820_530_830] Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-10 14:22:42 UTC
From: Bill
Topic: 311 Message: 315

No ALC on 10m with low output usually just means re-alignment of the RF deck on that band. A rig that is out of neutralization does not necessarily have parasitics. Parasitics in the driver will be noticed if output or plate current suddenly changes when the drive tuning control is rotated. Should be a smooth 0-max out-0 transistion; any radical jumps would indicate a squirrely driver tube. New ones are worse for this than used ones. Some manuf of tubes are worse than others for a particular rig.
I would use the TUNE position of the rig for initial plate dip; this puts a lower screen voltage on the PA which helps prevent damage to them when out of resonance.
Other than these minor points, you are right on!
bill
f x <dawnlight1491@...> wrote:
HI... my 2c worth...
For all tube final rigs, here is a rule of thumb...Start with the Load control at minimum, i.e. counterclockwise... Go key down on CW on the desired band... while monitoring the plate current (Ip), rotate the Drive control for max plate current, and tune the Plate control for a minimum (dip)... now that the tubes are happy, you can increase the loading (Load control) ... after each increase of the load control, redip the plate since there is interaction... Also, keep your other eye on the power out function of your SWR meter...the peak of the power output should coincide with the dip of the plate current... if it does not, that is likely an indication that the finals need to be neutralized... (some parasitic oscillations going on in there)...

If the output on 10 meters is low there are several possibilities...
1. insufficient drive (may require retuning the internal drive coils, or a new drive tube)
2. Finals are "soft" i.e. old, or gassy...
3. Finals out of neutralization
4. Inaccuracy in the power meter reading on 10 meters..

Hope this is helpful.

Regards
NY0Y
Raleigh

overthepole <overthepole@...> wrote: I encountered difficulty when trying to tune for 10M. On the first
tuning step, when setting the mode to Tune and the meter for
ALC, then flipping to Send, there's no meter deflection
whatsoever, so setting the Drive was a total guess. I more or
less left it where it was for 15M.

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get 45W out at 130 mA IP with an SWR of 1.2:1. This was on CW
keydown.

Then, when switching to USB, there was almost no power out
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radio. The mic gain is usually left alone across the bands, I don't
adjust it. But I was able to get some response from the rig by
turning it up.

The low power out may be because of poor tuning, which is due
to the Drive being out because there's no deflection on the meter
to set it.

Thoughts?

The rig tuned up on 15M with near identical values to the tune on
40M. I'll check 20M in the AM.

Getting closer!

Jeffrey.

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316. Re: [TS-520_820_530_830] Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-11 01:11:52 UTC
From: f x
Topic: 311 Message: 316

Hi Bill,
After reading your comments below, I scratched what little is left of my hair and thought... hmmmm... that's not exactly how I remember things, but what the hey... lets check the flagging old memory... So, here is what I found...
Quotes from Bill Orr's Handbook, 22nd edition, page 21.18-21.22, and the ARRL handbook... Bill Orr says..."Proper neutralization is definded as the state in which: with plate and cathode (sic, grid) tank circuits resonant and with maximum cathode voltage, minimum plate current and maximum power output occur simultaneously. This implies that input and output circuits are independnent of each other with respect to common reactive currents, and thus the tuning of the circuits reveals no interactions." My own stuff... The cathode and grid and screen and plate all have inter-element capacitance... in series... this results unfortunately in positive feedback which, when the frequency gets high (i.e. 10 M or so), the feedback is enough to cause oscillation in the final stages... It is this possible oscillation which I called a parasitic earlier... The purpose of neutralization is to match the tube capacitances exactly, and 180 degrees out of phase, so that the oscillations can never occur... there are other things used as well... resistors with a few turns around them... in the plate leads... swamping (loading) resistors on the grid side... etc., etc.

I am not particularly familiar with the "squirreliness" of a 12 BY7 tube, but it would have the same input-output issues as the finals... I do still have a new one in the box... new being from about fifteen years ago... did not send it along, as there seems to be plenty of drive available on all bands in my rig (except maybe for 10M)

Don't mean this to be contentious, Bill.... but the converstaion did make me go back and look some stuff up... I was first licensed in 1957, and the first non-tube rig I owned is that -830 (though I did operate other rigs)... used to build and operate Novice Q-5ers, had a Hammarlund Super Pro once, transmitters and VFOs mostly home brew, never more than about 75 watts... 807's and the like... mostly on CW... hehe... just bought my first keyer this week... guess the bug will get retired now... so please forgive a crusty ole fogey who has time on his hands this evening... until the rig gets back and the new antennas go up...

73s

Raleigh NY0Y
Bill <coorsbill@...> wrote:
No ALC on 10m with low output usually just means re-alignment of the RF deck on that band. A rig that is out of neutralization does not necessarily have parasitics. Parasitics in the driver will be noticed if output or plate current suddenly changes when the drive tuning control is rotated. Should be a smooth 0-max out-0 transistion; any radical jumps would indicate a squirrely driver tube. New ones are worse for this than used ones. Some manuf of tubes are worse than others for a particular rig.
I would use the TUNE position of the rig for initial plate dip; this puts a lower screen voltage on the PA which helps prevent damage to them when out of resonance.
Other than these minor points, you are right on!
bill
f x <dawnlight1491@...> wrote:

HI... my 2c worth...
For all tube final rigs, here is a rule of thumb...Start with the Load control at minimum, i.e. counterclockwise... Go key down on CW on the desired band... while monitoring the plate current (Ip), rotate the Drive control for max plate current, and tune the Plate control for a minimum (dip)... now that the tubes are happy, you can increase the loading (Load control) ... after each increase of the load control, redip the plate since there is interaction... Also, keep your other eye on the power out function of your SWR meter...the peak of the power output should coincide with the dip of the plate current... if it does not, that is likely an indication that the finals need to be neutralized... (some parasitic oscillations going on in there)...

If the output on 10 meters is low there are several possibilities...
1. insufficient drive (may require retuning the internal drive coils, or a new drive tube)
2. Finals are "soft" i.e. old, or gassy...
3. Finals out of neutralization
4. Inaccuracy in the power meter reading on 10 meters..

Hope this is helpful.

Regards
NY0Y
Raleigh

overthepole <overthepole@...> wrote: I encountered difficulty when trying to tune for 10M. On the first
tuning step, when setting the mode to Tune and the meter for
ALC, then flipping to Send, there's no meter deflection
whatsoever, so setting the Drive was a total guess. I more or
less left it where it was for 15M.

I was able to proceed, carefully, from there and managed only to
get 45W out at 130 mA IP with an SWR of 1.2:1. This was on CW
keydown.

Then, when switching to USB, there was almost no power out
until I cranked up the mic gain to finally get the mic to drive the
radio. The mic gain is usually left alone across the bands, I don't
adjust it. But I was able to get some response from the rig by
turning it up.

The low power out may be because of poor tuning, which is due
to the Drive being out because there's no deflection on the meter
to set it.

Thoughts?

The rig tuned up on 15M with near identical values to the tune on
40M. I'll check 20M in the AM.

Getting closer!

Jeffrey.

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317. Re: [TS-520_820_530_830] Low Power on 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-11 03:06:41 UTC
From: Bill
Topic: 311 Message: 317

If the neutralization is way off, yes they will oscillate on their own. But being a tetrode, and being that Kenwood designed their tank circuits extraordinarily well, and provided for a great deal of isolation from input to output, instability of the PA is not often observed here. The driver stage is another matter.
I have not stopped to count the number of tube rigs that have been through the shop, don't have time, hi hi! Gotta get on another rig :)
Someday I will share some broadcast transmitter stories.. on another group perhaps.
bill
f x <dawnlight1491@...> wrote:
Hi Bill,
After reading your comments below, I scratched what little is left of my hair and thought... hmmmm... that's not exactly how I remember things, but what the hey... lets check the flagging old memory... So, here is what I found...
Quotes from Bill Orr's Handbook, 22nd edition, page 21.18-21.22, and the ARRL handbook... Bill Orr says..."Proper neutralization is definded as the state in which: with plate and cathode (sic, grid) tank circuits resonant and with maximum cathode voltage, minimum plate current and maximum power output occur simultaneously. This implies that input and output circuits are independnent of each other with respect to common reactive currents, and thus the tuning of the circuits reveals no interactions." My own stuff... The cathode and grid and screen and plate all have inter-element capacitance... in series... this results unfortunately in positive feedback which, when the frequency gets high (i.e. 10 M or so), the feedback is enough to cause oscillation in the final stages... It is this possible oscillation which I called a parasitic earlier... The purpose of neutralization is to match the tube capacitances exactly, and 180 degrees out of phase, so that the oscillations can never occur... there are other things used as well... resistors with a few turns around them... in the plate leads... swamping (loading) resistors on the grid side... etc., etc.

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Don't mean this to be contentious, Bill.... but the converstaion did make me go back and look some stuff up... I was first licensed in 1957, and the first non-tube rig I owned is that -830 (though I did operate other rigs)... used to build and operate Novice Q-5ers, had a Hammarlund Super Pro once, transmitters and VFOs mostly home brew, never more than about 75 watts... 807's and the like... mostly on CW... hehe... just bought my first keyer this week... guess the bug will get retired now... so please forgive a crusty ole fogey who has time on his hands this evening... until the rig gets back and the new antennas go up...

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If the output on 10 meters is low there are several possibilities...
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3. Finals out of neutralization
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Hope this is helpful.

Regards
NY0Y
Raleigh

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Then, when switching to USB, there was almost no power out
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radio. The mic gain is usually left alone across the bands, I don't
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Getting closer!

Jeffrey.

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319. HF Mobile Install.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-17 14:51:36 UTC
From: ww3o2003
Topic: 319 Message: 319

Hi guys. It was a warm weekend (finally) in Central PA so I installed an HF rig in the Chevy G-series cargo van. The antennas are two Hamsticks, one mounted on each rear top door hinge. They stand nice and straight but are only about 14 inches from the truck body. The rig is a Kenwood TS-130 with solid state finals & shut-back circuit for Hi-SWR protection. The 75 meter whip would not trim to better than 40 ohms at resonance. This reduced transmit power a bunch. I finally installed an MFJ cheapo tuner and used a field strength meter to peak the output. The results were very good. Now, the drivers side antenna location is dedicated to 75 meters and the passenger side can be 10-20 or 40 meters. There is a two-position antennas switch mounted on the steel frame of the seat to select antennas. Since the 75 meter side is only used for around 3990 KHz I've placed the tuner on the floor our of the way. Hopefully the vibration of the truck won't detune the tuner.
73,

Pete Carr WW3O
State College, PA

320. Re: [TS-520_820_530_830] HF Mobile Install.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-18 04:51:46 UTC
From: Bill
Topic: 319 Message: 320

Congrats! Will look for you on the bands
bill
ww3o2003 <pscarr@...> wrote:Hi guys. It was a warm weekend (finally) in Central PA so I installed an HF rig in the Chevy G-series cargo van. The antennas are two Hamsticks, one mounted on each rear top door hinge. They stand nice and straight but are only about 14 inches from the truck body. The rig is a Kenwood TS-130 with solid state finals & shut-back circuit for Hi-SWR protection. The 75 meter whip would not trim to better than 40 ohms at resonance. This reduced transmit power a bunch. I finally installed an MFJ cheapo tuner and used a field strength meter to peak the output. The results were very good. Now, the drivers side antenna location is dedicated to 75 meters and the passenger side can be 10-20 or 40 meters. There is a two-position antennas switch mounted on the steel frame of the seat to select antennas. Since the 75 meter side is only used for around 3990 KHz I've placed the tuner on the floor our of the way. Hopefully the vibration of the truck won't detune the tuner.
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Pete Carr WW3O
State College, PA

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321. TS-820s service manual wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-20 22:02:03 UTC
From: Mike
Topic: 321 Message: 321

HI all

I'm looking for a service manual for a TS-820s
Anyone know of Free or Cheap electonic copy??

Cheers
Mike ZL3TMB

322. Re: TS-820s service manual wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-21 08:00:01 UTC
From: Arnd Gronenberg
Topic: 321 Message: 322

--- In TS-520_820_530_830@yahoogroups.com, "Mike" <zl3tmb@i...> wrote:
> HI all
>
> I'm looking for a service manual for a TS-820s
> Anyone know of Free or Cheap electonic copy??
>
> Cheers
> Mike ZL3TMB

Mike, have a look at http://www.mods.dk/, then select "Kenwood" (in the t top navigator), then select "Manuals" (in the left navigator). There are PDFs of both the operating and the service manual.

Vy 73, Arnd

323. filter for cw for ts530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-21 14:36:15 UTC
From: william stephenson
Topic: 323 Message: 323
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,
just wondered if a Trio YG 455-G 500Hz cw filter would fit ok in a ts530s, the manual says the part nr is YK-88C,would like to find out if it would fit ok before i buy it.

Thanks Guys.

73

Bill G4KKI

324. thanks

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-20 19:08:50 UTC
From: Norm Reger
Topic: 324 Message: 324

Thanks

=====

Norman Reger
Belgrade MT
(GODS COUNTRY)

_____
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325. FS: Power Cables for all Kenwood TS-520 Series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-21 15:52:20 UTC
From: Brian Carling
Topic: 325 Message: 325

For sale:

Power Cables for all Kenwood TS-520 Series:

AC Power Cable, two cond. with connector for TS-520 $19.00
DC Power Cable, two cond. with connector for TS-520 $19.00

Shipping is $5.00 additional for any quantity.

I also have these:

Power Cables for all Yaesu FT-101 Series:

AC Power Cable, two cond. with connector for FT-101 $19.00
DC Power Cable, two cond. with connector for FT-101 $19.00

326. Wanted: TV-506 cable and schematic needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-23 18:40:15 UTC
From: k9gq
Topic: 326 Message: 326

Purchased without one. Any info appreciated.

George K9GQ

327. Re: TS-820s service manual wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-23 18:42:19 UTC
From: k9gq
Topic: 321 Message: 327

--- In TS-520_820_530_830@yahoogroups.com, "Mike" <zl3tmb@i...> wrote:
> HI all
>
> I'm looking for a service manual for a TS-820s
> Anyone know of Free or Cheap electonic copy??
>
> Cheers
> Mike ZL3TMB

I have a pdf (it's a large file) contact me if needed.

George K9GQ

328. New member with TS-830S question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-23 19:57:15 UTC
From: kg6mwh
Topic: 328 Message: 328

Greetings to all. I'm a new member of the group. Also a newly licensed general.

I'm the proud new owner of a TS-830S, which I bought partly as a backup for my Yaesu FT-897 and partly because the TS-830S is such a classic piece of equipment.

Can anyone suggest a good repair person in the San Francisco or Silicon Valley area? The TS-830S was shelved for a while before I bought it, and I'd like to give it a good preventive maintenance treatment.

I think it may also have a problem, which I hope is minor. After releasing PTT, it takes about a second for the receive level to come up to a proper level. I also think the receive level is, well, bouncy for 30 seconds or so after PTT is released.

Any advice appreciated. I'm a newbie, so it's perfectly OK to talk down to me ;-) .

David Dalton
KG6MWH

329. Re: [TS-520_820_530_830] New member with TS-830S question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-24 19:01:58 UTC
From: Bill
Topic: 328 Message: 329

May be bad or dirty T/R relay, these are about 28 bux from Kenwood/PacCoast Parts.
On your other stuff, good cleaning and alignment will run ya 100-140 labor plus shipping. I don't know of west coast guys, here's two in mid-US:
www.avvid.com
www.amateur-repairs.com
have a good day
bill K0ZL
kg6mwh <kg6mwh@...> wrote:Greetings to all. I'm a new member of the group. Also a newly licensed
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Any advice appreciated. I'm a newbie, so it's perfectly OK to talk
down to me ;-) .

David Dalton
KG6MWH

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330. ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-25 02:49:14 UTC
From: Norm Reger
Topic: 330 Message: 330

I,m a new member to the club and have a question for
all of you My ts820 freq display is messed up on 10
and 15 meter cant read the numbers it works fine on
20m 40m 80m 160m any suggestions would be appreciated.
Thanks

=====
Norman Reger
Belgrade Mt
KD7TQM

_____
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331. Re: [TS-520_820_530_830] ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-25 13:38:02 UTC
From: Bill
Topic: 330 Message: 331

r&r the pll and vco sections, separate the boards, and clean the inter-board connectors. Then check the VCO adjustments on all bands.
bill
Norm Reger <staplegun_98@...> wrote:I,m a new member to the club and have a question for all of you My ts820 freq display is messed up on 10
and 15 meter cant read the numbers it works fine on
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Thanks

=====
Norman Reger
Belgrade Mt
KD7TQM

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332. Re: [TS-520_820_530_830] ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 03:43:32 UTC
From: Gary & Carrie Meyer
Topic: 330 Message: 332

Bill,

Passed my "General"last week. Now ready to fire up the ts530s. Everything works good untill I try ssb. C W will just about light my 200 watt bulb. About what I would expect. Now on ssb my meter jumps like I am talking, but nobody answers. Any advice as to what to look for?
Thanks KCØNPJ
Gary

333. Re: [TS-520_820_530_830] ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 11:44:35 UTC
From: f x
Topic: 330 Message: 333

Dear Gary,
Several questions...
1. Do people talk to you on CW?
2. What kind of antenna is the rig connected to?
3. What band or bands are you on?
4. If you use the bulb on SSB as a load, does it flicker when you speak?

73
NY0Y
Raleigh
Gary & Carrie Meyer <meyer@...> wrote:Bill, Passed my "General"last week. Now ready to fire up the ts530s. Everything works good untill I try ssb. C W will just about light my 200 watt bulb. About what I would expect. Now on ssb my meter jumps like I am talking, but nobody answers. Any advice as to what to look for? Thanks KC?NPJ Gary
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var lrec_target="_top";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=246920.2960106.4328965.2848452/D=egroupweb/S=1705063108:HM/A=1508984/R=0/id=flashurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_02F/g22lp?Target=mm/g22lp.tmpl";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather300x250_02f.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=246920.2960106.4328965.2848452/D=egroupweb/S=1705063108:HM/A=1508984/R=1/id=altimgurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_02F/g22lp?Target=mm/g22lp.tmpl";var lrec_altimg = "http://us.yimg.com/a/ex/expert_city/300x250_yh1.gif";var lrec_width = 300;var lrec_height = 250;
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334. Re: [TS-520_820_530_830] ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 14:38:26 UTC
From: Bill
Topic: 330 Message: 334

Gary, I assume you aren't using the light bulb as an antenna! hi...
what band are you trying on?
Where are you? I can sched you for a qso if you want. I operate 75-40-20 and 10m
bill
Gary & Carrie Meyer <meyer@...> wrote:Bill, Passed my "General"last week. Now ready to fire up the ts530s. Everything works good untill I try ssb. C W will just about light my 200 watt bulb. About what I would expect. Now on ssb my meter jumps like I am talking, but nobody answers. Any advice as to what to look for? Thanks KC?NPJ Gary
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var lrec_target="_top";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=246920.2960106.4328965.2848452/D=egroupweb/S=1705063108:HM/A=1508984/R=0/id=flashurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_02F/g22lp?Target=mm/g22lp.tmpl";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather300x250_02f.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=246920.2960106.4328965.2848452/D=egroupweb/S=1705063108:HM/A=1508984/R=1/id=altimgurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_02F/g22lp?Target=mm/g22lp.tmpl";var lrec_altimg = "http://us.yimg.com/a/ex/expert_city/300x250_yh1.gif";var lrec_width = 300;var lrec_height = 250;
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335. Re: ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 15:34:12 UTC
From: kg6mwh
Topic: 330 Message: 335

Greetings, Gary...

Congratulations on the General. I too am a newbie General as of February.

Like you, I've found it surprisingly difficult to start QSO's.
However, I've had very good luck on contest weekends. The contact will
be very brief, but there'll be lots of people who want to log you, and
so contests are a good time to figure out how far you're hearing and
how far you're being heard. I found it very encouraging because I've
found that, if I can hear them, they can generally hear me.

If you'd like to schedule a QSO, please email me. My 15-meter antenna
is the most efficient, so maybe a weekend during the day?

David Dalton
KG6MWH

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer"
<meyer@b...> wrote:
> Bill,
>
> Passed my "General"last week. Now ready to fire up the
ts530s. Everything works good untill I try ssb. C W will just about
light my 200 watt bulb. About what I would expect. Now on ssb my meter
jumps like I am talking, but nobody answers. Any advice as to what to
look for?
> Thanks KCØNPJ
> Gary

336. Re: [TS-520_820_530_830] Re: ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 20:52:28 UTC
From: Gary & Carrie Meyer
Topic: 330 Message: 336

Bill and Dave,

Thanks for the reply gentlememem, I'm using a Windom ant . 42 ft on one side 84 ft on the other with a 4:1 balun. I belive the ant is pretty flat. I think my problem is microphone. I am going to try a mike from a 520 this afternoon. Maybe by substitution I can work out the problems. Problem solving is just part of the fun. It's like code, if it was easy everybody would be doing it.
Thanks fellows ,I will keep you informed.

KCØNPJ Gary

337. Re: [TS-520_820_530_830] Re: ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-27 21:12:34 UTC
From: Bill
Topic: 330 Message: 337

Make sure you are tuned for "max smoke" on CW mode, after tuning first in TUNE mode... touch up on CW with CAR control full up.
Then, make sure that you are getting ALC indication with the mic gain at 12 o'clock or less. If you have to have the mic gain higher than that, could be a mic impedance mismatch and your audio might not sound very good. Often, guys won't answer a CQ if the audio is bad.
b
Gary & Carrie Meyer <meyer@...> wrote:Bill and Dave, Thanks for the reply gentlememem, I'm using a Windom ant . 42 ft on one side 84 ft on the other with a 4:1 balun. I belive the ant is pretty flat. I think my problem is microphone. I am going to try a mike from a 520 this afternoon. Maybe by substitution I can work out the problems. Problem solving is just part of the fun. It's like code, if it was easy everybody would be doing it. Thanks fellows ,I will keep you informed. KC?NPJ Gary
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338. Re: [TS-520_820_530_830] Re: ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-28 14:24:13 UTC
From: Gary & Carrie Meyer
Topic: 330 Message: 338

Bill,

I think it needs professional repair. Could you give me an address to ship to and an estimate on turnaround..

KCØNPJ Gary

339. Re: [TS-520_820_530_830] Re: ts-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-28 19:52:46 UTC
From: Bill
Topic: 330 Message: 339

(Handled off-list)
Thanks Gary!
Bill
Gary & Carrie Meyer <meyer@...> wrote:Bill, I think it needs professional repair. Could you give me an address to ship to and an estimate on turnaround.. KC?NPJ Gary
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340. International Radio (INRAD) Performance Enhancement Kits

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-28 20:33:36 UTC
From: José Pedro Alvarez C.
Topic: 340 Message: 340

Hello All,

Anyone has any information or comments on these kits.
I'm considering getting the kits but would like to know from someone who has
them installed first.

The URL for the kits is http://www.qth.com/inrad/kits.htm#kenwood

73's

J.P. Alvarez
CA3RVF
Santiago, Chile

341. 6293 Tubes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-03-31 19:27:56 UTC
From: José Pedro Alvarez C.
Topic: 341 Message: 341

Hello Again,

While searching the net for information on my beloved TS-820S I found a couple or articles by Glen E. Zook, K9STH on the 6146 family of tubes. He writes that 6293 tubes are totally interchangeable with 6146B and are a better option, I quote:

"There is another 6146 family tube that is "superior" for operation at least through 10 meters. That is the 6293. This tube was designed for "pulse" service and is rated at 1-Kilowatt pulse power input. The primary difference between these and the "normal" 6146 is that the plate is much "heavier" in its construction. Back in the late 1950s and early 1960s we would almost "kill" to get our hands on a pair of these for our DX-100s, etc. The 6293 outlasts the 6146 in "normal" service by at least 5 times and often more than 10 times the life of the tube. These tubes "show up" at hamfests, swap meets, etc., from time-to-time. If you see some of these, definitely "glomp" onto them!"

I have seen these tubes for sale in several online shops and are priced the same or even cheaper than 6146B's.

My TS-820S's output is about 50 to 55 watts on a dummy load on all bands except for 40 meters, where the output is 85 to 90 watts (measured with the AT-230 meter) so I'm thinking about a new set of finals and a new driver. What do you think of installing these 6293 tubes instead of 6146B's? Any thoughts?

73's

J.P. Alvarez
CA3RVF
Santiago, Chile

342. Re: [TS-520_820_530_830] 6293 Tubes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-01 03:11:43 UTC
From: Bill
Topic: 341 Message: 342

6146B only mi amigo
73
bill K0ZL
"Jos?_Pedro_Alvarez_C." <josepedro@...> wrote:Hello Again,

While searching the net for information on my beloved TS-820S I found a couple or articles by Glen E. Zook, K9STH on the 6146 family of tubes. He writes that 6293 tubes are totally interchangeable with 6146B and are a better option, I quote:

"There is another 6146 family tube that is "superior" for operation at least through 10 meters. That is the 6293. This tube was designed for "pulse" service and is rated at 1-Kilowatt pulse power input. The primary difference between these and the "normal" 6146 is that the plate is much "heavier" in its construction. Back in the late 1950s and early 1960s we would almost "kill" to get our hands on a pair of these for our DX-100s, etc. The 6293 outlasts the 6146 in "normal" service by at least 5 times and often more than 10 times the life of the tube. These tubes "show up" at hamfests, swap meets, etc., from time-to-time. If you see some of these, definitely "glomp" onto them!"

I have seen these tubes for sale in several online shops and are priced the same or even cheaper than 6146B's.

My TS-820S's output is about 50 to 55 watts on a dummy load on all bands except for 40 meters, where the output is 85 to 90 watts (measured with the AT-230 meter) so I'm thinking about a new set of finals and a new driver. What do you think of installing these 6293 tubes instead of 6146B's? Any thoughts?

73's

J.P. Alvarez
CA3RVF
Santiago, Chile

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343. Kenwood CD 10 Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-06 05:45:55 UTC
From: Keith Ushman
Topic: 343 Message: 343

Has any one ever heard of a Kenwood CD 10 Call Sign Display, and if so what is it for...is it to read your call sign, or is it some type of on the air reader...

Thanks, Keith

344. OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-07 23:42:43 UTC
From: ww3o2003
Topic: 344 Message: 344

The rig has an AVR board with voltage test points. The 8.1 volt TP read about 9.5. The others read within 10% of spec. It appears, from the 50 cent schematic in the Op. manual, that the TP is controlled from two transistors and a diode with a 120 ohm resistor in series. The diode is not identified as a venear (sp). There is no adjust pot on that circuit. Would the group have a suggestion on how to proceed with the volatge fix?
TNX & 73,

Pete Carr WW3O
State College, PA

345. Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-08 12:49:09 UTC
From: Bill
Topic: 344 Message: 345

Pete, I shall be glad to look at this when I get to the shop. Please allow a day or two...
bill K0ZL
ww3o2003 <pscarr@...> wrote:The rig has an AVR board with voltage test points. The 8.1 volt TP
read about 9.5. The others read within 10% of spec. It appears, from
the 50 cent schematic in the Op. manual, that the TP is controlled
from two transistors and a diode with a 120 ohm resistor in series.
The diode is not identified as a venear (sp). There is no adjust pot
on that circuit. Would the group have a suggestion on how to proceed
with the volatge fix?
TNX & 73,

Pete Carr WW3O
State College, PA

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346. anyone have a plain english guide to tube replacement and neutralization?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-08 16:51:07 UTC
From: Peter Weinzettl
Topic: 346 Message: 346

Just wondering if there's any step by step instructions available (other than in the manual) regarding tube replacement and neutralization for the TS-520S. What if I don't have a voltmeter? Any help with this would be greatly appreciated

Peter
VE3BHP
ve3bhp@...

347. RE: [TS-520_820_530_830] anyone have a plain english guide to tube replacement and neutralization?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-08 16:31:19 UTC
From: George Curtis
Topic: 346 Message: 347

Hi Peter,

It's just a matter of adjusting the capacitor for a minimum amount of RF at the antenna connector (with the SG switch off of course).

You can build a simple RF Probe such as:

http://www.qrpp-i.com/KA8MAV_RF_Probe.htm

and use a inexpensive DVM.

Ideally use a long non metallic screwdriver. I have used a regular long metal screwdriver insulated with heat shrink tubing (except the tip). If you use the later, you will have to remove the screwdriver between adjustments.

George K9GQ

-----Original Message-----
From: Peter Weinzettl [mailto:inmotion@...]
Sent: Tuesday, April 08, 2003 8:51 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] anyone have a plain english guide to tube replacement and neutralization?

Just wondering if there's any step by step instructions available (other than in the manual) regarding tube replacement and neutralization for the TS-520S. What if I don't have a voltmeter? Any help with this would be greatly appreciated

Peter
VE3BHP
ve3bhp@...

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348. Re:Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-08 17:54:12 UTC
From: pscarr@juno.com
Topic: 344 Message: 348

Thanks for the reply Bill. I'm also looking for a maintenance/repair manual for the TS-180. I'll wait for you to check your sources. Thanks again.

Pete WW3O
State College, PA

_____
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349. Re: [TS-520_820_530_830] anyone have a plain english guide to tube replacement and neutralization?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-08 23:15:37 UTC
From: Bill
Topic: 346 Message: 349

1. replace PA tubes
2. set bias in usb or lsb modes
3. tune for max smoke on 20m
4. adj neut cap for even peaks of plate current on either side of resonance, in TUNE mode. If plate current maximums are lopsided, adj neut cap so they are even
5. confirm that plate dip coincides with max rf out into dummy load
6. confirm again on 10m
REPLACING DRIVER;

1. replace driver tube
IN THE MIDDLE OF EACH BAND:
2. tune closest CAL signal in middle of each band. Peak the preselector for max signal.
3. in TUNE mode, touch up the tuning of the driver plate coils for each band for max ALC indication. You may have to back down the CAR control to keep it in scale.
The driver plate coils are the larger of the tuning coils on the RF unit, just in front of the PA section cage. Use plastic tool.
NOTE; if plate current varies radically when tuning the PRESELECTOR or DRIVE TUNE control through it's range, or acts like it has Hysteresis in the response, you may have a wild driver tube. Leave the filaments on for a day or two; or change back to the old tube or another tube. Some 12by7s don't like the Kenwood. Save them for your Yaesu buddies!
bill
Peter Weinzettl <inmotion@...> wrote:Just wondering if there's any step by step instructions available (other than in the manual) regarding tube replacement and neutralization for the TS-520S. What if I don't have a voltmeter? Any help with this would be greatly appreciated Peter VE3BHPve3bhp@...
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350. TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-09 07:19:33 UTC
From: Andrew Rigg
Topic: 350 Message: 350

Hi,

I am new to amateur radio having just passed my foundation licence in the UK.
I bought a TS-830 from a rally today and was told it would operate on 10W output power (My max allowed).

I have read the manual and it doesn't seem to mention any power adjustment at all???
Is this possible to operate on 10W or was the seller telling me a pack of lies??????

I have not got my aerial up yet but hope to in the next few days and need to know if I can operate this legally.

I have noticed a mod on the internet using a battery and a potentiometer connected to the ALC line to reduce power but this was for the ts-520. Will t work on the ts-830?????

Any info appreciated.

Andy

351. 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-10 15:05:44 UTC
From: Peter Weinzettl
Topic: 351 Message: 351

Anyone know how much power the TS-520s puts out in "Tune" mode. After I have tuned my radio for full output on a desired frequency, my MFJ 949B's wattmeter shows around 20w (when set to 30watts FWD) and 10w (when set to 300watts FWD). Obviously something is not right with the meter, just wondering which setting is more accurate. Anyone have any experience with this MFJ product, or know why the reading would indicate half on the 300W setting?

73's
Pete
VE3BHP
VE3BHP@...

352. RE:[TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-10 15:51:48 UTC
From: nhead@cwctv.net
Topic: 351 Message: 352
Attachments: 1 described; binary payloads are missing from this source WARC

hi i have a ts530sp and a mfj 941e tuner when i tune up in tune mode i get a reading of just under 30 watts on the 300 watt scale and full scale deflection on the 30 watt scale. i hope this is of some help. all the best nigel m0dbo.

On Thu, 10 Apr 2003 11:05:44 -0400 "Peter Weinzettl" <inmotion@...> wrote:

353. Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-10 21:24:54 UTC
From: Bill
Topic: 351 Message: 353

Power meters are very inaccurate down around the low end of their reading. Good rule of thumb for any insturment is choose the range that gives you the reading closest to full scale.
If your wattmeter is rated +/- ten percent full scale, that means it is plus or minus 30 watts of watt-ever (sorry) you are putting thru it.
20 watts on tune is normal.
bill
Peter Weinzettl <inmotion@...> wrote:Anyone know how much power the TS-520s puts out in "Tune" mode. After I have tuned my radio for full output on a desired frequency, my MFJ 949B's wattmeter shows around 20w (when set to 30watts FWD) and 10w (when set to 300watts FWD). Obviously something is not right with the meter, just wondering which setting is more accurate. Anyone have any experience with this MFJ product, or know why the reading would indicate half on the 300W setting? 73'sPeteVE3BHPVE3BHP@...
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354. RE: [TS-520_820_530_830] 520s- how much power out in

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 02:54:28 UTC
From: Robert Mackie
Topic: 354 Message: 354

Hi Pete. Your meter is fine. The most accurate indications will be read on the upper half of the scale. This applies to all analog meters (voltmeters, ohmeters, etc), not only wattmeters. And yes, 20 watts is about right in the tune mode. Bob Mackie - N0CDY --- On Thu 04/10, Peter Weinzettl < inmotion@... > wrote: From: Peter Weinzettl [mailto: inmotion@...] To: TS-520_820_530_830@yahoogroups.com Date: Thu, 10 Apr 2003 11:05:44 -0400 Subject: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?
Anyone know how much power?the TS-520s puts out in "Tune" mode.? After I have tuned my radio for full output on a desired frequency, my MFJ 949B's wattmeter shows around 20w (when set to 30watts FWD) and 10w (when set to 300watts FWD).? Obviously something is not right with the meter, just wondering which setting is more accurate. Anyone have any experience with this MFJ product, or know why the reading would indicate half on the 300W setting?

?

73's

Pete

VE3BHP

VE3BHP@...

?

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355. RE: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-10 14:35:28 UTC
From: Bill Scurlock
Topic: 351 Message: 355

Hi Pete. Typically, metering instruments are rated for their accuracy as some percentage of Full Scale. For example, if the meter is rated at plus or minus 5% of full scale, on the 300 watt scale your reading would be plus or minus 15 watts from what the meter indicated. On the 30 watt scale your reading would be plus or minus 1.5 watts from what the meter indicated. For a 2% accuracy meter these numbers would be plus or minus 6 watts, and plus or minus 0.6 watts. So the answer to your question should be obvious - use the scale that lets your meter read as high up on the scale as possible without damaging the meter. For digital instruments there are additional criteria to consider. All of this assumes that there is nothing wrong with your meter such as changing values of resistors, etc. Good luck - Have fun. I have no experience with the 520. 73,

Bill, K5GCW
-----Original Message-----
From: Peter Weinzettl [mailto:inmotion@...]
Sent: Thursday, April 10, 2003 10:06 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Anyone know how much power the TS-520s puts out in "Tune" mode. After I have tuned my radio for full output on a desired frequency, my MFJ 949B's wattmeter shows around 20w (when set to 30watts FWD) and 10w (when set to 300watts FWD). Obviously something is not right with the meter, just wondering which setting is more accurate. Anyone have any experience with this MFJ product, or know why the reading would indicate half on the 300W setting?

73's
Pete
VE3BHP
VE3BHP@...

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356. Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 15:44:43 UTC
From: Peter Weinzettl
Topic: 351 Message: 356

Thank's to the always-knowlegable folks on this group for all the answers to my questions. A couple of things re my MFJ wattemeter though;

1) Although I do have the original manual, I cant find the specs to the unit (MFJ 949B-circa 1980's) anywhere, so I don't know what percentage accuracy the unit is rated at.

2) I still can't answer why the unit shows the appearantly proper power out (20w in tune mode) on the 30w setting, and exactly half that in the 300w setting.

When I check power out in CW mode and key down I get a reading of around 60w in the 300w setting and of course a fully buried meter in the 30w setting.

Should I just basically double whatever reading I get in the 300w mode or are there too many other variables involved.

I guess the answer is to get a better meter. Trying to do this a cheaply as possilbe though.

73's
Pete
ve3bhp@...

357. RE: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 15:38:39 UTC
From: Bill Scurlock
Topic: 351 Message: 357

-----Original Message-----
From: Peter Weinzettl [mailto:inmotion@...]
Sent: Friday, April 11, 2003 10:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

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1) Although I do have the original manual, I cant find the specs to the unit (MFJ 949B-circa 1980's) anywhere, so I don't know what percentage accuracy the unit is rated at.

Comment: Call MFJ and ask them.

2) I still can't answer why the unit shows the appearantly proper power out (20w in tune mode) on the 30w setting, and exactly half that in the 300w setting.

Comment: Because, at the 20W power level, the 30W meter range is much more accurate than the 300W range.

When I check power out in CW mode and key down I get a reading of around 60w in the 300w setting and of course a fully buried meter in the 30w setting.

Should I just basically double whatever reading I get in the 300w mode or are there too many other variables involved.

Comment: No. Just don't use the high meter ranges to read small power levels.

I guess the answer is to get a better meter. Trying to do this a cheaply as possilbe though.

Comment: Probably not. Unless the antenna/transmission line match is a perfectly resistive 50 ohm load at the antenna, the power meter will not indicate the correct power level anyway. Most people make measurements at the transmitter output point in their system to get an indication of SWR for antenna tuning/performance purposes. What you are most interested in are "relative" readings for tuning purposes, or to detect some change in the performance of your equipment or antenna system. Cheap is adequate for this purpose.

Have fun Pete. 73, Bill, K5GCW

73's
Pete

ve3bhp@...

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358. TS-830M and VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 20:19:11 UTC
From: José Pedro Alvarez C.
Topic: 358 Message: 358

Hello all Kenwood Lovers,

I have another question for the collective wisdom of the group.

I'm being offered a TS-830M (like the S model but with AM). I shouldn't really buy it but probably I will anyway. The radio comes alone without the external VFO (price is US $ 250 BTW).

Are there any chances that the VFO-820 of the my TS-820S can be made to work with the TS-830M?

Thanks for your thoughts.

Jose Pedro Alvarez CA3RVF
Santiago, Chile

359. Re: [TS-520_820_530_830] TS-830M and VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 22:06:08 UTC
From: Bill
Topic: 358 Message: 359

I think they have the same frequency of operation, the two VFOs, but you may have to modify the switching a bit, not sure. $250 for the AM model is a great price, because they are quite rare! 73 and good luck, Bill K0ZL

"Jos?_Pedro_Alvarez_C." <josepedro@...> wrote:Hello all Kenwood Lovers,

I have another question for the collective wisdom of the group.

I'm being offered a TS-830M (like the S model but with AM). I shouldn't
really buy it but probably I will anyway. The radio comes alone without the
external VFO (price is US $ 250 BTW).

Are there any chances that the VFO-820 of the my TS-820S can be made to work
with the TS-830M?

Thanks for your thoughts.

Jose Pedro Alvarez CA3RVF
Santiago, Chile

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360. RE: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 22:19:18 UTC
From: Bill
Topic: 351 Message: 360

Thanks Bill, great reply! The main thing is that into a dummy load, you are able to load the radio up for more than about 250 milliamps and see at least 85 watts out; otherwise, you have weak finals. They will still work but they are getting weak at less than 250 milliamps and 85 watts. 73, bill

Bill Scurlock <scurlock@...> wrote: -----Original Message-----
From: Peter Weinzettl [mailto:inmotion@...]
Sent: Friday, April 11, 2003 10:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Thank's to the always-knowlegable folks on this group for all the answers to my questions. A couple of things re my MFJ wattemeter though; 1) Although I do have the original manual, I cant find the specs to the unit (MFJ 949B-circa 1980's) anywhere, so I don't know what percentage accuracy the unit is rated at. Comment: Call MFJ and ask them. 2) I still can't answer why the unit shows the appearantly proper power out (20w in tune mode) on the 30w setting, and exactly half that in the 300w setting. Comment: Because, at the 20W power level, the 30W meter range is much more accurate than the 300W range. When I check power out in CW mode and key down I get a reading of around 60w in the 300w setting and of course a fully buried meter in the 30w setting. Should I just basically double whatever reading I get in the 300w mode or are there too many other variables involved. Comment: No. Just don't use the high meter ranges to read small power levels.

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361. Re:Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-11 23:29:48 UTC
From: Bill
Topic: 344 Message: 361

Hi PeteAll I have here is an owner's manual copy. Again, what is the problem with the rig? I lost the thread here... 73 bill

pscarr@... wrote:Thanks for the reply Bill. I'm also looking for a maintenance/repair manual for the TS-180. I'll wait for you to check your sources. Thanks again.

Pete WW3O
State College, PA

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362. Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-12 03:26:40 UTC
From: Peter Weinzettl
Topic: 351 Message: 362

Hi again Bill(s)

Here's my readings:
Tuning 14250 into dummy load for "full smoke" on CW.
Unsing Radio Shack 21-534 SWR/Power Meter that I borrowed -
(+- 150w @ 200w scale)
(+- 150w @ 2000w scale)

TS 520s Readings -
(250ma on IP)
(+20 on RF)
(750V on HV)

Then when switching over the the MFJ power meter-
(+-60w/ slightly over half-scale on the 300w scale)

Any comments would once again be appreciated.

Pete
VE3BHP
VE3BHP@...

----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, April 11, 2003 6:19 PM
Subject: RE: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Thanks Bill, great reply!

The main thing is that into a dummy load, you are able to load the radio up for more than about 250 milliamps and see at least 85 watts out; otherwise, you have weak finals. They will still work but they are getting weak at less than 250 milliamps and 85 watts.

73,

bill

Bill Scurlock <scurlock@...> wrote:

-----Original Message-----
From: Peter Weinzettl [mailto:inmotion@tcn.net]
Sent: Friday, April 11, 2003 10:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 520s- how much power out in "Tune" mode?

Thank's to the always-knowlegable folks on this group for all the answers to my questions.
A couple of things re my MFJ wattemeter though;

1) Although I do have the original manual, I cant find the specs to the unit (MFJ 949B-circa 1980's) anywhere, so I don't know what percentage accuracy the unit is rated at.

Comment: Call MFJ and ask them.

2) I still can't answer why the unit shows the appearantly proper power out (20w in tune mode) on the 30w setting, and exactly half that in the 300w setting.

Comment: Because, at the 20W power level, the 30W meter range is much more accurate than the 300W range.

When I check power out in CW mode and key down I get a reading of around 60w in the 300w setting and of course a fully buried meter in the 30w setting.

Should I just basically double whatever reading I get in the 300w mode or are there too many other variables involved.

Comment: No. Just don't use the high meter ranges to read small power levels.

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363. FS: AM Filter for the TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-12 03:43:18 UTC
From: rsakabu
Topic: 363 Message: 363

Dear Group,
I really blew it this week. Someone offered an AM filter with instructions for the TS-520 for sale. I jumped on it figuring I can put it into one of the IF slots in my R-5000 or swap out the filter in a YK88S-1 board in my TS-450.

When I got it, the filter didn't look like a YK88-A and sure enough it wasn't. It is an FFC-332-1 which is obviously made for the IF of the TS-520 which is not the same as the 8.83 MHz of all later models. I think it is either 3 MHz or 5 MHz.

The instructions are from Henry Radio in LA and it tells you how to modify the CW mode of the TS-520 into AM mode and how to eliminate the BFO for receiving AM. If I had a TS-520, I'd probably do the mod just to see if it works <g>.

Anyway, if there is anyone on this list that is interested in doing AM on a TS-520, I'll sell this filter and instructions for $35 shipped or trade for something interesting. If not, I might just have to buy a 520 myself (after all, I'm having a great time with my TS-830)

73
Roy
AD6ZU

364. Re:Re:Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-12 10:51:26 UTC
From: pscarr@juno.com
Topic: 344 Message: 364

Hi Bill. The AVR board has a test point for 8.1 volts DC which is reading 9.3 volts. The other two TPs are fine. There is no pot adjust for this voltage so I figure that the Zener diode must be bad. The Ops manual says that it's a diode but nothing else. Since the trouble is high volts, not low, I guess that the two transistors with the diode are okay. The schematic for that board is really crappy so I enlarged it on a copier. That didn't help much. The board is at the top rear of the chassis and easy to access and nothing looks burnt or smells. It might be aged resistors but I have no other ideas.
Any wisedom?????

Tnx & 73,

Pete Carr WW3O
State College, PA

_____
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365. Re:Re:Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-12 15:15:38 UTC
From: Bill
Topic: 344 Message: 365

It's a shunt regulator, which uses Q9 to parallel the 5 watt resistor to get the 8.1 volts. The zener should read about 4 volts as that is it's rating (they use a voltage "divider" actually a multiplier) to get to 8.1 volts. If Q9 is not shorted, and the resistor is not getting real hot, and the zener reads 4 volts or thereabouts, there is nothing to fix unless the rig is messing up somehow. the zener is WZ-040 and Q9 is 2SA671. If you need sub info let me know, paste copy of this to the new email if you would. thanks bill
pscarr@... wrote:Hi Bill. The AVR board has a test point for 8.1 volts DC which is reading 9.3 volts. The other two TPs are fine. There is no pot adjust for this voltage so I figure that the Zener diode must be bad. The Ops manual says that it's a diode but nothing else. Since the trouble is high volts, not low, I guess that the two transistors with the diode are okay. The schematic for that board is really crappy so I enlarged it on a copier. That didn't help much. The board is at the top rear of the chassis and easy to access and nothing looks burnt or smells. It might be aged resistors but I have no other ideas.
Any wisedom?????

Tnx & 73,

Pete Carr WW3O
State College, PA

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366. FILTER CAPS PLATE V

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-12 23:03:06 UTC
From: Bill Leahy
Topic: 366 Message: 366

filter caps for hi-v on these transceivers:

P7453-ND CAPACITOR, ELECTROLYTIC,

from digikey, 150uF, 500V, about the right size. We'll see when they get in how they work out and I will let y'all know

367. Re:Re:Re:Re: [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 12:41:43 UTC
From: pscarr@juno.com
Topic: 344 Message: 367

Hi Bill and thanks for the great info. I'd checked for "hot" stuff on the AVR board. The 4 volts on the zener will be easy to check. As you know, none of that info is listed on the schematic. That's why the guys on this list are so great. They have all that stuff!

Thanks again and have a great Sunday.

73,

Pete Carr WW3O
State College, PA

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369. Swapping Driver Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 19:37:36 UTC
From: overthepole
Topic: 369 Message: 369

Hey Bill,

When we last discussed swapping tubes in my 820 you had mentioned the need to realign the RF deck afterwards. If I only replace the driver tube is realignment needed? Could you speak to the relationship between the driver and finals a bit?

I'm thinking that my driver tube is weak because when I first key up my voice peaks are on the order of 75 to 100 Watts. As I talk they lessen to 50 to 60 then to 30 to 50 and then to maybe 25 if I get real long winded. Am I on the right track here or is there another component that might be suspect?

Thanks as always for the infinite wisdom!

Jeffrey.

371. Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 22:25:08 UTC
From: f x
Topic: 371 Message: 371

Dear Group... Just felt I should share a little of my recent experiences with my TS-830... Since it had been in long term unheated storage (8 years), I was worried when I flipped the switch the first time... but it fired right up and I worked the CW and Phone contests in March... using an extended double zepp for 20 meters fed with open wire line and a tuner at about 25 feet up... worked all bands, including 160... had about 80-90 watts out most places... worked about 120 countries each event. Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure... During its absence, I put up a few new antennas... vertical ground planes on tin roof structures (carport and pole barn) for 10 and 15, and bobtail curtains on 20 and 40... could hardly wait for the return... the turnaround was quick, even with a blizzard in CO... The results... all I can say is WOW... between the new power out...(my meter says 175 to about 150 watts out according to band) I can now be HEARD... (this is with the OLD, original 6146 Bs)... if I figure the dBs, I got about 3 dB from the QRO mod, and about 5 from the bobtails, totalling 8 dB so I am at least one plus S unit stronger than before... and the low takeoff angles are great... can work DX with ease, often answered on the first call even in moderate pileups... have even had them call ME for a change.... now to get some POWER.. and another 10 dB... hehe. The receiver was always good, and is now better since realignment and work on the filter configuration (too tight if you can believe it)... only problem is overload when the NB is in use... creates lots of "bogies"... so generally do not use it even though sitting under a 43 KV line.... so, here she sits, purring away... for Lord knows how many more years... Think it was the best $375 I ever spent on a rig... and thanks to Bill for all the help... 73 and maybe see you on the air sometime... NYOY Raleigh

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372. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 23:33:07 UTC
From: JIm Wilson
Topic: 371 Message: 372
Attachments: 1 described; binary payloads are missing from this source WARC

At 03:25 PM 4/13/2003, you wrote:
>......
>Decided after reading this board to send it to Bill for a tweaking
>up... during the process, he suggested the QRO mod and a new driver
>tube... I said sure...
>
>.....

Must have missed something- what is the QRO mod to the TS-830

Jim, w5mhl

373. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 11:15:35 UTC
From: f x
Topic: 371 Message: 373

Hi Jim, It is an increase in the screen voltage to the finals so that you can run higher plate current... I can typically run 325-350 ma of plate current at 750 volts... 244 watts input... at an efficiency of 65%, +/-, that yields 158 watts out... all meter readings I have available check... the remaing power, 85 watts, is dissipated in the plates as heat... but the tubes are rated at 90 watts each, 180 total... so, if the power transformer and diodes can stand the gaff... no problem... am just a little more careful to use the tune mode into my dummy load when changing bands and making sure that the SWR stays down below 2:1(20 watts more to dissipate) after the initial tuning, I now tune up using the power out meter on my tuner. As Bill says, I tune for maximum smoke, and let it run.. I think there is also a kit from International Radio for the same mod.. http://www.qth.com/inrad/ Kenwood TS-520/530/820/830 QRO Kit
Fits inside radio. Increases power output 25% or more (with good 6146 tubes). Kit does not include tubes. Price reduced to just $15.00!
See our Secure Order Form to order. In my case, the driver tube was shot and associated circuitry was misaligned, so I saw more than the 25% advertised.. 73, RaleighNY0Y

JIm Wilson <w5mhl@...> wrote:At 03:25 PM 4/13/2003, you wrote:
.....
Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure...

.....
Must have missed something- what is the QRO mod to the TS-830

Jim, w5mhl

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var lrec_target="_top";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=246920.2960106.4328965.1728375/D=egroupweb/S=1705063108:HM/A=1529139/R=0/id=flashurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_mapG/g22lp?Target=mm/g22lp.tmpll";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather_300x250_map.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=246920.2960106.4328965.1728375/D=egroupweb/S=1705063108:HM/A=1529139/R=1/id=altimgurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_mapG/g22lp?Target=mm/g22lp.tmpl";var lrec_altimg = "http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather300x250_map.gif";var lrec_width = 300;var lrec_height = 250;
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374. [TS-520_820_530_830] OT: TS-180 voltage problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 14:24:10 UTC
From: Bill
Topic: 344 Message: 374

Let me know if you need further help. A three terminal 8v regulator might work fine too, with a small heat sink perhaps. It's a lousy circuit, never did like shunt regulators... bill

pscarr@... wrote:Hi Bill and thanks for the great info. I'd checked for "hot" stuff on the AVR board. The 4 volts on the zener will be easy to check. As you know, none of that info is listed on the schematic. That's why the guys on this list are so great. They have all that stuff!

Thanks again and have a great Sunday.

73,

Pete Carr WW3O
State College, PA

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375. bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 14:50:23 UTC
From: Bill
Topic: 375 Message: 375

In regards to the bogus posts by "inmotion", I will take care of this tonight when I get to the shop. I don't know where they are coming from but I will block them tonight. Please accept my apologies; in the meantime just delete any blank messages from the user inmotion @ tcn.net Do we have any volunteers for co-moderators for this group? I need some help. thanks

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376. Re: [TS-520_820_530_830] Swapping Driver Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 14:46:04 UTC
From: Bill
Topic: 369 Message: 376

If you change the DRIVER TUBE you need to re-align the RF deck, all three coils per band. If you change just the FINALS you only need to touch up the drive plate coils, the larger ones toward the PA cage. To check the driver tube, tune in TUNE mode into dummy load, with carrier up high enough to get a ALC reading on the meter. Unkey, let tubes cool off a minute, then re-key in TUNE mode and observe the ALC reading. If it drops off more than about 10 percent, you have a weak driver. If it doesn't you may have weak finals. bill

overthepole <overthepole@...> wrote:Hey Bill,

When we last discussed swapping tubes in my 820 you had
mentioned the need to realign the RF deck afterwards. If I only
replace the driver tube is realignment needed? Could you speak
to the relationship between the driver and finals a bit?

I'm thinking that my driver tube is weak because when I first key
up my voice peaks are on the order of 75 to 100 Watts. As I talk
they lessen to 50 to 60 then to 30 to 50 and then to maybe 25 if I
get real long winded. Am I on the right track here or is there
another component that might be suspect?

Thanks as always for the infinite wisdom!

Jeffrey.

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377. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 14:54:22 UTC
From: Bill
Topic: 371 Message: 377

Hi Raleigh, I believe plate dissipation on the 6146B is 30 watts, not 90, am I right? At any rate, going over the plate dissipation for short periods won't hurt them, if we are only going to 42 watts each for a few seconds they will be fine at the higher levels. As Inrad suggests, start out with new tubes or you won't see the benefits. With your rig, we went only from 85 watts to 120 I think with the old tubes, but up to 150-160 or more with the new ones. Also, I don't think the Inrad mod uses the SG switch to select between stock screen voltage and boosted screen voltage! That is a 'ZL original I think... at least, I thought it was when I figured it out. The SG switch is useless anyway unless you are running a transverter. bill

f x <dawnlight1491@...> wrote:Hi Jim, It is an increase in the screen voltage to the finals so that you can run higher plate current... I can typically run 325-350 ma of plate current at 750 volts... 244 watts input... at an efficiency of 65%, +/-, that yields 158 watts out... all meter readings I have available check... the remaing power, 85 watts, is dissipated in the plates as heat... but the tubes are rated at 90 watts each, 180 total... so, if the power transformer and diodes can stand the gaff... no problem... am just a little more careful to use the tune mode into my dummy load when changing bands and making sure that the SWR stays down below 2:1(20 watts more to dissipate) after the initial tuning, I now tune up using the power out meter on my tuner. As Bill says, I tune for maximum smoke, and let it run.. I think there is also a kit from International Radio for the same mod.. http://www.qth.com/inrad/ Kenwood TS-520/530/820/830 QRO Kit
Fits inside radio. Increases power output 25% or more (with good 6146 tubes). Kit does not include tubes. Price reduced to just $15.00!
See our Secure Order Form to order. In my case, the driver tube was shot and associated circuitry was misaligned, so I saw more than the 25% advertised.. 73, RaleighNY0Y

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378. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 14:59:49 UTC
From: Bill
Topic: 371 Message: 378

Wow thanks Raleigh! <blush> When you get your amp, you may want to run low power into it... 3-500z wants no more than 60w drive, and two of them will want no more than 120 watts. If you keep drive below that level, you won't need to use the bogus ALC line from the amp back to the rig to control drive. bill
f x <dawnlight1491@...> wrote:Dear Group... Just felt I should share a little of my recent experiences with my TS-830... Since it had been in long term unheated storage (8 years), I was worried when I flipped the switch the first time... but it fired right up and I worked the CW and Phone contests in March... using an extended double zepp for 20 meters fed with open wire line and a tuner at about 25 feet up... worked all bands, including 160... had about 80-90 watts out most places... worked about 120 countries each event. Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure... During its absence, I put up a few new antennas... vertical ground planes on tin roof structures (carport and pole barn) for 10 and 15, and bobtail curtains on 20 and 40... could hardly wait for the return... the turnaround was quick, even with a blizzard in CO... The results... all I can say is WOW... between the new power out...(my meter says 175 to about 150 watts out according to band) I can now be HEARD... (this is with the OLD, original 6146 Bs)... if I figure the dBs, I got about 3 dB from the QRO mod, and about 5 from the bobtails, totalling 8 dB so I am at least one plus S unit stronger than before... and the low takeoff angles are great... can work DX with ease, often answered on the first call even in moderate pileups... have even had them call ME for a change.... now to get some POWER.. and another 10 dB... hehe. The receiver was always good, and is now better since realignment and work on the filter configuration (too tight if you can believe it)... only problem is overload when the NB is in use... creates lots of "bogies"... so generally do not use it even though sitting under a 43 KV line.... so, here she sits, purring away... for Lord knows how many more years... Think it was the best $375 I ever spent on a rig... and thanks to Bill for all the help... 73 and maybe see you on the air sometime... NYOY Raleigh

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379. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 15:06:30 UTC
From: Bill
Topic: 371 Message: 379

The QRO mod in it's basic form raises the screen voltage on the finals from 220 volts to about 300 or so, using the internal supply in the rig. In the form in Raleigh's radio, I used the SG switch and screen voltage control relay to switch the screen voltage to give him the option of "stock" or "boosted" screen V. Before anyone starts protesting about pushing the tubes too hard, yes we are doing that by about 10-15 percent on the plate dissipation; but the precedent for this is the Collins KWM2 rig, where I got the inspiration to try it the first time; they run 300-310 volts on the PA screens, or something close to that. Slight modification of your tune-up procedure is all that's needed to ensure long tube life at the increased dissipation (darn, am I speeling that right???) levels. i.e., don't take so long to find resonance! b bill

JIm Wilson <w5mhl@...> wrote:At 03:25 PM 4/13/2003, you wrote:
.....
Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure...

.....
Must have missed something- what is the QRO mod to the TS-830

Jim, w5mhl

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var lrec_target="_top";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=246920.2960106.4328965.1728375/D=egroupweb/S=1705063108:HM/A=1529139/R=0/id=flashurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_mapG/g22lp?Target=mm/g22lp.tmpll";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather_300x250_map.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=246920.2960106.4328965.1728375/D=egroupweb/S=1705063108:HM/A=1529139/R=1/id=altimgurl/*http://www.gotomypc.com/u/tr/yh/cpm/grp/300_mapG/g22lp?Target=mm/g22lp.tmpl";var lrec_altimg = "http://us.a1.yimg.com/us.yimg.com/a/1-/flash/expert_city/093002_weather300x250_map.gif";var lrec_width = 300;var lrec_height = 250;
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Version: 6.0.471 / Virus Database: 269 - Release Date: 4/10/2003

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380. Re: [TS-520_820_530_830] bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 17:38:44 UTC
From: Gary & Carrie Meyer
Topic: 375 Message: 380

Bill,
I would help as much as possible. Let me know what to do.

KCØNPJ Gary

381. Re: [TS-520_820_530_830] bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 19:36:26 UTC
From: Bill
Topic: 375 Message: 381

Thanks Gary! That should be good for a discount! hehe I will start sending you some stuff on how to moderate the groups, there is a lot to it, not time wise but procedure wise. Figure about ten minutes a day or less, if Yahoo is not real boggy. Thanks! Bill

Gary & Carrie Meyer <meyer@...> wrote:Bill, I would help as much as possible. Let me know what to do. KC?NPJ Gary
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382. TS-520SE VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 17:36:05 UTC
From: rayfennessey
Topic: 382 Message: 382

Hi,

The VFO on my TS-520SE is almost impossible to tune between 350 and 500khz. This happened once before and, with heavy use, corrected itself leading me to believe it was dirty. Has anyone else experienced this problem and, if so, how did you resolve it.

Many Thanks,

Ray N1QPT

383. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-13 23:27:03 UTC
From: awc
Topic: 371 Message: 383

Nice tune up.what frequ's do you hang on FX? just might give to call from up here in the north.
73's
awc
----- Original Message -----
From: f x
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, April 13, 2003 6:25 PM
Subject: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Dear Group...

Just felt I should share a little of my recent experiences with my TS-830...

Since it had been in long term unheated storage (8 years), I was worried when I flipped the switch the first time... but it fired right up and I worked the CW and Phone contests in March... using an extended double zepp for 20 meters fed with open wire line and a tuner at about 25 feet up... worked all bands, including 160... had about 80-90 watts out most places... worked about 120 countries each event.

Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure...

During its absence, I put up a few new antennas... vertical ground planes on tin roof structures (carport and pole barn) for 10 and 15, and bobtail curtains on 20 and 40... could hardly wait for the return... the turnaround was quick, even with a blizzard in CO...

The results... all I can say is WOW... between the new power out...(my meter says 175 to about 150 watts out according to band) I can now be HEARD... (this is with the OLD, original 6146 Bs)... if I figure the dBs, I got about 3 dB from the QRO mod, and about 5 from the bobtails, totalling 8 dB so I am at least one plus S unit stronger than before... and the low takeoff angles are great... can work DX with ease, often answered on the first call even in moderate pileups... have even had them call ME for a change.... now to get some POWER.. and another 10 dB... hehe.

The receiver was always good, and is now better since realignment and work on the filter configuration (too tight if you can believe it)... only problem is overload when the NB is in use... creates lots of "bogies"... so generally do not use it even though sitting under a 43 KV line....

so, here she sits, purring away... for Lord knows how many more years... Think it was the best $375 I ever spent on a rig... and thanks to Bill for all the help...

73 and maybe see you on the air sometime...

NYOY

Raleigh

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384. O.T.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-14 17:31:15 UTC
From: awc
Topic: 384 Message: 384

Hello Bill,just like to know,do you belong to the FT-101 Yahoo Group?
73's
va3awc
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, April 14, 2003 10:46 AM
Subject: Re: [TS-520_820_530_830] Swapping Driver Tube

If you change the DRIVER TUBE you need to re-align the RF deck, all three coils per band.

If you change just the FINALS you only need to touch up the drive plate coils, the larger ones toward the PA cage.

To check the driver tube, tune in TUNE mode into dummy load, with carrier up high enough to get a ALC reading on the meter. Unkey, let tubes cool off a minute, then re-key in TUNE mode and observe the ALC reading. If it drops off more than about 10 percent, you have a weak driver. If it doesn't you may have weak finals.

bill

overthepole <overthepole@...> wrote:
Hey Bill,

When we last discussed swapping tubes in my 820 you had
mentioned the need to realign the RF deck afterwards. If I only
replace the driver tube is realignment needed? Could you speak
to the relationship between the driver and finals a bit?

I'm thinking that my driver tube is weak because when I first key
up my voice peaks are on the order of 75 to 100 Watts. As I talk
they lessen to 50 to 60 then to 30 to 50 and then to maybe 25 if I
get real long winded. Am I on the right track here or is there
another component that might be suspect?

Thanks as always for the infinite wisdom!

Jeffrey.

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385. BAD STUFF VERY IMPORTANT

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-15 01:44:15 UTC
From: Bill Leahy
Topic: 385 Message: 385

Group members:

Recently a couple of posts with attachments have gone out to our group from a member with an email address of inmotion@.... He is a valid group member that may have been infected with a trojan horse program, as the last two posts consisted of meaningless subject lines and an attachment. One was an .SCR script file and the other was a .PIF file.

DO NOT open these attachments under ANY circumstances, as they may be a worm or trojan horse file.

I have disabled this member's account until we can get it straightened out. I have also deleted the messages from the archives so that they will not be opened inadvertantly by someone else.

I have also disabled attachments to the group; this is a long-standing policy of mine to prevent just such an occurance; how the attachment feature got turned on, I don't know as I am the only one that can do it.

Please accept my apologies for any problems this has caused. Normally, Yahoo allows you to scan such attachments prior to opening them; this was not the case, this time.

Again, if you see anything from this group in your Inbox with an attachment, please DELETE IT WITHOUT OPENING THE ATTACHMENT.

thanks,

Bill K0ZL
Group Moderator

386. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-15 03:48:50 UTC
From: f x
Topic: 371 Message: 386

Hi AWC, Well, you can find me on the bottom 50 kHz of 40 almost every night after 0200 GMT or 20 if it is open... weekends, mostly CW, but occasionaly forays into the fone bands if sigs good... am DX chaser mostly, and work most contests just for fun... never send in a log.. What is your call AWC? Will listen for you... regards and 73 NY0YRaleigh Stelle

awc <awc@...> wrote:Nice tune up.what frequ's do you hang on FX? just might give to call from up here in the north.73'sawc----- Original Message ----- From: f x To: TS-520_820_530_830@yahoogroups.com Sent: Sunday, April 13, 2003 6:25 PMSubject: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial
Dear Group... Just felt I should share a little of my recent experiences with my TS-830... Since it had been in long term unheated storage (8 years), I was worried when I flipped the switch the first time... but it fired right up and I worked the CW and Phone contests in March... using an extended double zepp for 20 meters fed with open wire line and a tuner at about 25 feet up... worked all bands, including 160... had about 80-90 watts out most places... worked about 120 countries each event. Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure... During its absence, I put up a few new antennas... vertical ground planes on tin roof structures (carport and pole barn) for 10 and 15, and bobtail curtains on 20 and 40... could hardly wait for the return... the turnaround was quick, even with a blizzard in CO... The results... all I can say is WOW... between the new power out...(my meter says 175 to about 150 watts out according to band) I can now be HEARD... (this is with the OLD, original 6146 Bs)... if I figure the dBs, I got about 3 dB from the QRO mod, and about 5 from the bobtails, totalling 8 dB so I am at least one plus S unit stronger than before... and the low takeoff angles are great... can work DX with ease, often answered on the first call even in moderate pileups... have even had them call ME for a change.... now to get some POWER.. and another 10 dB... hehe. The receiver was always good, and is now better since realignment and work on the filter configuration (too tight if you can believe it)... only problem is overload when the NB is in use... creates lots of "bogies"... so generally do not use it even though sitting under a 43 KV line.... so, here she sits, purring away... for Lord knows how many more years... Think it was the best $375 I ever spent on a rig... and thanks to Bill for all the help... 73 and maybe see you on the air sometime... NYOY Raleigh

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387. Re: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-15 03:49:29 UTC
From: f x
Topic: 371 Message: 387

Hi AWC, Well, you can find me on the bottom 50 kHz of 40 almost every night after 0200 GMT or 20 if it is open... weekends, mostly CW, but occasionaly forays into the fone bands if sigs good... am DX chaser mostly, and work most contests just for fun... never send in a log.. What is your call AWC? Will listen for you... regards and 73 NY0YRaleigh Stelle

awc <awc@...> wrote:Nice tune up.what frequ's do you hang on FX? just might give to call from up here in the north.73'sawc----- Original Message ----- From: f x To: TS-520_820_530_830@yahoogroups.com Sent: Sunday, April 13, 2003 6:25 PMSubject: [TS-520_820_530_830] Old Iron... Great Iron... and testimonial
Dear Group... Just felt I should share a little of my recent experiences with my TS-830... Since it had been in long term unheated storage (8 years), I was worried when I flipped the switch the first time... but it fired right up and I worked the CW and Phone contests in March... using an extended double zepp for 20 meters fed with open wire line and a tuner at about 25 feet up... worked all bands, including 160... had about 80-90 watts out most places... worked about 120 countries each event. Decided after reading this board to send it to Bill for a tweaking up... during the process, he suggested the QRO mod and a new driver tube... I said sure... During its absence, I put up a few new antennas... vertical ground planes on tin roof structures (carport and pole barn) for 10 and 15, and bobtail curtains on 20 and 40... could hardly wait for the return... the turnaround was quick, even with a blizzard in CO... The results... all I can say is WOW... between the new power out...(my meter says 175 to about 150 watts out according to band) I can now be HEARD... (this is with the OLD, original 6146 Bs)... if I figure the dBs, I got about 3 dB from the QRO mod, and about 5 from the bobtails, totalling 8 dB so I am at least one plus S unit stronger than before... and the low takeoff angles are great... can work DX with ease, often answered on the first call even in moderate pileups... have even had them call ME for a change.... now to get some POWER.. and another 10 dB... hehe. The receiver was always good, and is now better since realignment and work on the filter configuration (too tight if you can believe it)... only problem is overload when the NB is in use... creates lots of "bogies"... so generally do not use it even though sitting under a 43 KV line.... so, here she sits, purring away... for Lord knows how many more years... Think it was the best $375 I ever spent on a rig... and thanks to Bill for all the help... 73 and maybe see you on the air sometime... NYOY Raleigh

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[Non-text portions of this message have been removed]

388. Re: [TS-520_820_530_830] TS-520SE VFO CLEANING INSTRUCTIONS.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-15 14:09:10 UTC
From: Bill
Topic: 382 Message: 388

Hi RayYou have to remove the vfo assembly and clean the sliding contact on the rear of the vfo tuning cap. remove your knob on the front, and the plate with four phillips screws in front. remove the four screws internally that are mounting the VFO to the chassis. Unplug the vfo power (2 pin) and output (rca coax). Carefully wiggle the VFO out from behind the front panel. Remove the cover of the VFO, careful to preserve the spacer washers on the rear stud. Use CAILUBE controls cleaner only, and spray a little on the VFO contact. Plug VFO in again, power up rig (no filaments), turn on the CAL and listen to the markers as you tune from one end of the vfo travel to the other using the stub shaft that the big knob goes on. Turn it back and forth until all markers come in clearly with no "grunge" or jumpiness. While you have the VFO open, resolder the flying leads inside, that go to the tuning coil and the tuning cap. This will "relax" any tension that are on these joints and will reduce temperature drift. Put everything back together and enjoy ten more years together. bill K0ZL

rayfennessey <ray@...> wrote:Hi,

The VFO on my TS-520SE is almost impossible to tune between 350 and
500khz. This happened once before and, with heavy use, corrected
itself leading me to believe it was dirty. Has anyone else
experienced this problem and, if so, how did you resolve it.

Many Thanks,

Ray N1QPT

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[Non-text portions of this message have been removed]

389. Re: [TS-520_820_530_830] O.T.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-15 14:10:51 UTC
From: Bill
Topic: 384 Message: 389

I think I answered you off list, but yes I am member there too. Same thing applies to all the hybrid radios. bill

awc <awc@...> wrote:Hello Bill,just like to know,do you belong to the FT-101 Yahoo Group?73'sva3awc----- Original Message ----- From: Bill To: TS-520_820_530_830@yahoogroups.com Sent: Monday, April 14, 2003 10:46 AMSubject: Re: [TS-520_820_530_830] Swapping Driver Tube
If you change the DRIVER TUBE you need to re-align the RF deck, all three coils per band. If you change just the FINALS you only need to touch up the drive plate coils, the larger ones toward the PA cage. To check the driver tube, tune in TUNE mode into dummy load, with carrier up high enough to get a ALC reading on the meter. Unkey, let tubes cool off a minute, then re-key in TUNE mode and observe the ALC reading. If it drops off more than about 10 percent, you have a weak driver. If it doesn't you may have weak finals. bill

overthepole <overthepole@...> wrote:Hey Bill,

When we last discussed swapping tubes in my 820 you had
mentioned the need to realign the RF deck afterwards. If I only
replace the driver tube is realignment needed? Could you speak
to the relationship between the driver and finals a bit?

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[Non-text portions of this message have been removed]

390. MC 50

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-16 17:09:52 UTC
From: k2uod
Topic: 390 Message: 390

Looking for a clean, mint MC 50 for use with my TS 830S. Please reply off-line.

73, Keith K2UOD

391. New Moderator!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 03:52:42 UTC
From: Bill Leahy
Topic: 391 Message: 391

Hello fellow members!

I have exciting news for our group.

Gary, KC0NPJ, has volunteered to become a co-moderator, sharing my duties in administering this fine group.

His duties will include monitoring group activity for compliance with Yahoo's terms 'o' service and group policies; approval of new members and moderation of messages as needed; and other administrative duties that I can dump on him. Er, I mean, "delegate"... hi hi!

Please join me in congratulating Gary on his appointment and give him your support.

Thanks, and 73!

Bill K0ZL
Group CO-moderator

392. Re: [TS-520_820_530_830] bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 03:52:30 UTC
From: Bill
Topic: 375 Message: 392

Thanks Gary! I made you a co-moderator. Tell me how much experience you have had with Yahoo groups and we will go from there. I tried sending you a longer message but IE keeps crashing on me and trashing my typing!!! 73 Bill

Gary & Carrie Meyer <meyer@...> wrote:Bill, I would help as much as possible. Let me know what to do. KC?NPJ Gary
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[Non-text portions of this message have been removed]

393. Re: [TS-520_820_530_830] New Moderator!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 04:59:59 UTC
From: awc
Topic: 391 Message: 393

Hello Gary,welcome to the group.
73's
va3awc

----- Original Message -----
From: Bill Leahy
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, April 16, 2003 11:52 PM
Subject: [TS-520_820_530_830] New Moderator!

Hello fellow members!

I have exciting news for our group.

Gary, KC0NPJ, has volunteered to become a co-moderator, sharing my duties in administering this fine group.

His duties will include monitoring group activity for compliance with Yahoo's terms 'o' service and group policies; approval of new members and moderation of messages as needed; and other administrative duties that I can dump on him. Er, I mean, "delegate"... hi hi!

Please join me in congratulating Gary on his appointment and give him your support.

Thanks, and 73!

Bill K0ZL
Group CO-moderator

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[Non-text portions of this message have been removed]

394. Re: [TS-520_820_530_830] bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 13:19:18 UTC
From: Gary & Carrie Meyer
Topic: 375 Message: 394

Bill.

I have no experience at this.. But I am willing to learn.
I see you made me a co-moderator, now just explain to me what to do.
I do most of my puter work in the early morning, because I work two jobs,
and have a couple of yards to take care of also, mowing fertilizizing, and
just general care.

KC?NPJ Gary

395. Welcome New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 16:45:44 UTC
From: Bill Leahy
Topic: 395 Message: 395

I'd like to welcome David, EA3FYZ to our group.

David has an awesome web site that I felt I just had to pass on.

His beautiful picture of Andromeda Galaxy now graces our desktop!

http://eureka.ya.com/astrophoto/index.htm

David, this is quite an accomplishment. Thanks for sharing your work
with us!

73,

Bill K0ZL

396. Re: [TS-520_820_530_830] bogus posts sorry

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-17 16:51:13 UTC
From: Bill
Topic: 375 Message: 396

OK Gary. Not to worry, you don't have to do anything just yet until we go through the whole moderating thing with you. I am going to have to write up a "moderator's guide" since nothing like that seems to exist.. I am sure our exchanges will help that happen! You will receive notices of members applying and leaving, and files uploaded to the group. I get the same thing, so for now just delete them. If you have a minute, log in to the group and navigate around the different areas, I am sure they will look a bit different now that you are a moderator! Don't worry, you can't break anything... have fun. We will talk about membership rights in a day or two. 73! and thanks SO MUCH for volunteering. Bill

Gary & Carrie Meyer <meyer@...> wrote:Bill.

I have no experience at this.. But I am willing to learn.
I see you made me a co-moderator, now just explain to me what to do.
I do most of my puter work in the early morning, because I work two jobs,
and have a couple of yards to take care of also, mowing fertilizing, and
just general care.

KC?NPJ Gary

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[Non-text portions of this message have been removed]

397. Easter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-20 01:52:09 UTC
From: Gary & Carrie Meyer
Topic: 397 Message: 397

Happy Easter to all

KCØNPJ Gary

[Non-text portions of this message have been removed]

398. Re: [TS-520_820_530_830] Easter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-19 23:57:23 UTC
From: william stephenson
Topic: 397 Message: 398

I would also like to wish all a Happy Easter

G4KKI Bill

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 19 April 2003 23:51:36
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Easter

Happy Easter to all

KCØNPJ Gary

[Non-text portions of this message have been removed]

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.

[Non-text portions of this message have been removed]

399. Re: [TS-520_820_530_830] Easter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-20 01:29:18 UTC
From: Bill
Topic: 397 Message: 399

Thanks Bill! You too.. He is risen! bill

william stephenson <g4kki.bill@ntlworld.com> wrote:I would also like to wish all a Happy Easter

G4KKI Bill

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 19 April 2003 23:51:36
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Easter

Happy Easter to all

KC?NPJ Gary

[Non-text portions of this message have been removed]

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.

[Non-text portions of this message have been removed]

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400. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-20 01:37:40 UTC
From: Larry Frimanslund
Topic: 400 Message: 400

unsubscribe
LARRY FRIMANSLUND
I.B.E.W. LOCAL 1426
N?WSJ
TEN TEN #68836
GRID SQUARE EN 37FF

[Non-text portions of this message have been removed]

401. For Sale - Complete TS-830S Station

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-20 16:35:42 UTC
From: w2hld
Topic: 401 Message: 401

All units are in excellent physical and electrical condition. Original Operating Manuals and cartons.
Will sell the entire station, as noted below, for $ 1180.00 plus shipping or individual components at stated prices, plus shipping. Buy the entire station, get the Service Manuals included at no additional charge.

Kenwood HF Transceiver TS-830S w/ CW filters, YK88C and YG455C $ 430.00
Kenwood Digital VFO VFO-230 $ 250.00
Kenwood Antenna Tuner AT-230 $ 170.00
Kenwood Filter Speaker SP-230 $ 75.00
Kenwood Station Monitor/Scope w/ BS-8 Bandscope option $ 365.00
Kenwood Service Manual (Original) TS-830S,M; SP-230: VFO-230 $38.00
Kenwood Service Manual (original) SM-220 / BS-5/BS-8 $ 30.00
Postage of $ 4.00 for manuals.

402. Kenwood SM220 Station Monitor with BS PAN Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-23 12:34:34 UTC
From: jeffwreg
Topic: 402 Message: 402

I have a Kenwood SM-220 Station Monitor with BS-5 PAN display for sale.

This unit is in very good condition, recently calibrated, with very bright CRT display and low usage on the unit. Unit was originally used with the Kenwood TS-520S transceiver.

The SM220 Station Monitor has the BS-5 PAN Display (3.395 Mhz IF output), which is used for the TS-520, TS-900, R-599, TS-511, and TS-510 series of Kenwood transceivers.

Also included are copies of the Owner's Manual and the Service Maintenance Manual.

The SM220 Station Monitor is comprised of a monitor-scope, oscilloscope, and two-tone generator. The BS-5 PAN Display allows you to view the 'spectrum' around the frequency being worked.

Asking price is $365 plus shipping costs to your location.

I will guarantee this unit not to be a 'DOA' upon arrival!

Please contact me at:

n5itu@...

73's

Jeff Wallach
N5ITU

403. TS520 Ext VFO question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-23 20:16:07 UTC
From: wc0d
Topic: 403 Message: 403

I have a TS-520se and I was wondering if I could connect a freq
counter directly to the Car out Jack and get a frequency readout that
the radio is tuned to such as using a DG-5 Digital display, or does
the DG-5 perform additional magic to obtain a correct display.
Thanks
Bob

404. Re: [TS-520_820_530_830] TS520 Ext VFO question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-04-24 22:37:03 UTC
From: Bill
Topic: 403 Message: 404

Typically a digital readout needs 3 inputs: vfo, band osc, and het or car oscillator: it then does the math to find what freq you are on. bill K0ZL

wc0d <robert.fay@...> wrote:I have a TS-520se and I was wondering if I could connect a freq counter directly to the Car out Jack and get a frequency readout that
the radio is tuned to such as using a DG-5 Digital display, or does
the DG-5 perform additional magic to obtain a correct display.
Thanks
Bob

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405. DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 06:33:09 UTC
From: pclisbee
Topic: 405 Message: 405

I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power output (50 watts only instead of 100 watts) and there is a small hum in the speaker when the filaments are on. The battery output at the battery is 12.9 VDC, and 12.8 VDC at the tranceiver.
Is this normal not to be able to tune to full power when using the DS-1 when working on battery power?

406. Re: [TS-520_

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 13:51:04 UTC
From: Gary & Carrie Meyer
Topic: 406 Message: 406

Bill

530 is back in service, works good. Thanks again for the promt and professional service. I do appreciate it.

KCØNPJ Gary

[Non-text portions of this message have been removed]

407. Re: [TS-520_820_530_830] DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 13:09:10 UTC
From: Bill
Topic: 405 Message: 407

Yep. Check your high voltage (be careful! use clips leads then turn on the rig, no filaments). On 120vac, you should see 800-900 volts. On DC at 12.9v you will see somewhat less. This will affect your power output somewhat. You didn't mention if you measured your voltage at the transceiver in RX or TX mode, it will make a difference. 73,Bill

pclisbee <pbclisbee@...> wrote:I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power
output (50 watts only instead of 100 watts) and there is a small hum
in the speaker when the filaments are on. The battery output at the
battery is 12.9 VDC, and 12.8 VDC at the tranceiver.
Is this normal not to be able to tune to full power when using the DS-
1 when working on battery power?

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408. Re: [TS-520_820_530_830] Re: [TS-520_

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 13:17:20 UTC
From: Bill
Topic: 406 Message: 408

You are welcome, glad you are happy with it! Thanks for using us. 73, Bill K0ZL

Gary & Carrie Meyer <meyer@...> wrote:
Bill

530 is back in service, works good. Thanks again for the promt and professional service. I do appreciate it.

KC?NPJ Gary

[Non-text portions of this message have been removed]

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409. RE: [TS-520_820_530_830] DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 13:59:13 UTC
From: John Long
Topic: 405 Message: 409

Not sure, but you battery output is low. Should be 13.8 VDC at normal charge.
The alternator on your car should put out about 14.6 volts when the car runs.

John

-----Original Message-----
From: pclisbee [mailto:pbclisbee@...]
Sent: Wednesday, April 30, 2003 11:33 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] DC Power Operation Question

I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power output (50 watts only instead of 100 watts) and there is a small hum in the speaker when the filaments are on. The battery output at the battery is 12.9 VDC, and 12.8 VDC at the tranceiver.
Is this normal not to be able to tune to full power when using the DS-1 when working on battery power?

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410. Re: [TS-520_820_530_830] DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 14:01:14 UTC
From: Perry Clisbee
Topic: 405 Message: 410

I will have to take the battery to the garage and put it on the car charger.
thanks,
Bing
Perry B. Clisbee
----- Original Message -----
From: John Long
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, May 01, 2003 6:59 AM
Subject: RE: [TS-520_820_530_830] DC Power Operation Question

Not sure, but you battery output is low. Should be 13.8 VDC at normal
charge.
The alternator on your car should put out about 14.6 volts when the car
runs.

John

-----Original Message-----
From: pclisbee [mailto:pbclisbee@...]
Sent: Wednesday, April 30, 2003 11:33 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] DC Power Operation Question

I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power
output (50 watts only instead of 100 watts) and there is a small hum
in the speaker when the filaments are on. The battery output at the
battery is 12.9 VDC, and 12.8 VDC at the tranceiver.
Is this normal not to be able to tune to full power when using the DS-
1 when working on battery power?

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411. Re: [TS-520_820_530_830] DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 21:13:11 UTC
From: Bill
Topic: 405 Message: 411

On tube rigs, the input voltage on 12v is much more critical than SS rigs. a couple of volts will make diff between 50 and 100 watts, whereas with a SS rig it would be diff between 80 and 100 watts due to the action of the ALC circuit. Also your screen voltage goes up and down on the tube rigs, further reducing output. If they had a regulated screen supply that would not be such a factor. Be happy with 50 watts, at any rate... it's 1/2 of an "S" unit less. bill

Perry Clisbee <pbclisbee@...> wrote:I will have to take the battery to the garage and put it on the car charger.
thanks,
Bing
Perry B. Clisbee
----- Original Message -----
From: John Long
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, May 01, 2003 6:59 AM
Subject: RE: [TS-520_820_530_830] DC Power Operation Question

Not sure, but you battery output is low. Should be 13.8 VDC at normal
charge.
The alternator on your car should put out about 14.6 volts when the car
runs.

John

-----Original Message-----
From: pclisbee [mailto:pbclisbee@...]
Sent: Wednesday, April 30, 2003 11:33 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] DC Power Operation Question

I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power
output (50 watts only instead of 100 watts) and there is a small hum
in the speaker when the filaments are on. The battery output at the
battery is 12.9 VDC, and 12.8 VDC at the tranceiver.
Is this normal not to be able to tune to full power when using the DS-
1 when working on battery power?

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412. hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 23:33:43 UTC
From: botr8
Topic: 412 Message: 412

Good evening,
My call is WB3DSJ name is Gary and qth is Western Pa.
three miles from the Ohio line and 15 miles from Youngstown,
Ohio. I am an electronic tech and do factory maintance. I have been
On the bands since 1976 but inactive for many years
until abt 3 years ago.
I own a ts530s which except for an intermittant no audio
for abt 30 sec. on startup (sometimes) works great.
My present interests are cw/psk31/and my favorite
Feld Hell, all using the 530s. I am working my way
through the posts (up to 144) and am enjoying them.
Hope to contribute to the group and thanks for having me.
73
Gary

413. TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-01 20:04:54 UTC
From: cplt102
Topic: 413 Message: 413

Greetings everyone! I just picked up a TS-520S (my first HF rig), and I'm loving it!
I have a basic question: for calibrating to the 25kHz marker tones, the manual directs me to zero-beat one of them...but what am I zero-beating to? Do I need to transmit? For calibrating to WWV, it says to use the tune function, which does seem to produce a tone. But for calibrating the dial, it just says to use either USB or LSB and zero-beat it.
I'm probably not making myself clear, so I'll get the manual out tonight and tell you which switches are supposed to be set to what.
Thanks for any help!

Andy
KD6MDO

414. Re: [TS-520_820_530_830] DC Power Operation Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 13:56:00 UTC
From: Perry Clisbee
Topic: 405 Message: 414

Bill, thanks for the help in underatanding the characteristics of my rig when it's on bat operation.
Bing, kg7sf
Perry B. Clisbee
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, May 01, 2003 2:13 PM
Subject: Re: [TS-520_820_530_830] DC Power Operation Question

On tube rigs, the input voltage on 12v is much more critical than SS rigs. a couple of volts will make diff between 50 and 100 watts, whereas with a SS rig it would be diff between 80 and 100 watts due to the action of the ALC circuit. Also your screen voltage goes up and down on the tube rigs, further reducing output. If they had a regulated screen supply that would not be such a factor. Be happy with 50 watts, at any rate... it's 1/2 of an "S" unit less. bill

Perry Clisbee <pbclisbee@...> wrote:I will have to take the battery to the garage and put it on the car charger.
thanks,
Bing
Perry B. Clisbee
----- Original Message -----
From: John Long
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, May 01, 2003 6:59 AM
Subject: RE: [TS-520_820_530_830] DC Power Operation Question

Not sure, but you battery output is low. Should be 13.8 VDC at normal charge.
The alternator on your car should put out about 14.6 volts when the car runs.

John

-----Original Message-----
From: pclisbee [mailto:pbclisbee@...]
Sent: Wednesday, April 30, 2003 11:33 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] DC Power Operation Question

I just installed a TS520-S DS-1 DC/DC converter on my Kenwood.
When running on the battery, I am not able to tune to full power output (50 watts only instead of 100 watts) and there is a small hum in the speaker when the filaments are on. The battery output at the battery is 12.9 VDC, and 12.8 VDC at the tranceiver.

Is this normal not to be able to tune to full power when using the DS-1 when working on battery power?

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415. Re: [TS-520_820_530_830] TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 15:14:37 UTC
From: Bill
Topic: 413 Message: 415

"Zero-beating" on the modern SSB rigs is difficult, because of the action of the filters, you can't really HEAR zero beat! So it's kinda by-guess-and-by-golly, that sounds about right. In the 520 in the TUNE mode, the carrier oscillator is offset so that you can hear 'zero beat', but just barely. Turn on your calibrator and carefully tune the VFO until the beat tone at one of the markers decreases to a very low bass tone, then slowly keep tuning until you hear the tone get REAL low, then it stops... or wavers the audio very slowly. That is close enough. That's what zero beat sounds like without the filter in the way. Now, switch to USB or LSB and do the same thing. Note that below a certain tone, you really can't hear it but you can FEEL it... hard to explain, but you will be able to sense zero beat if you listen very carefully. Use a big speaker too, that helps. Then look at the hash marks on the VFO index... One in the center, one to the left and one to the right, I think... If there are three, carefully rotate the dial skirt so that the proper 25kHz dial marking lines up with the mark for the mode you are in USB OR LSB. If there is just one mark, as on the Yaesus, line it up with the one in the center. Short of trying to make a sked or traffic net, there's really no point in trying to split hairs... you can get to within 100-300 hz of a desired frequency even without a digital readout, using this method; but you ain't gonna win any frequency measuring contests. I like being right on, but sometimes I take it to a rediculous extreme. I don't know why. 73 bill

cplt102 <kd6mdo@...> wrote:Greetings everyone! I just picked up a TS-520S (my first HF rig),
and I'm loving it!
I have a basic question: for calibrating to the 25kHz marker tones,
the manual directs me to zero-beat one of them...but what am I zero-
beating to? Do I need to transmit? For calibrating to WWV, it says
to use the tune function, which does seem to produce a tone. But for
calibrating the dial, it just says to use either USB or LSB and zero-
beat it.
I'm probably not making myself clear, so I'll get the manual out
tonight and tell you which switches are supposed to be set to what.
Thanks for any help!

Andy
KD6MDO

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416. Re: [TS-520_820_530_830] hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 15:16:29 UTC
From: Bill
Topic: 412 Message: 416

Hi Gary, welcome. What kind of factory do you work in? I am a tech at Coors, working on high-speed packaging and materials handling equipment...lots of PLCs and stuff. On the intermittant audio, have you done any troubleshooting yet? bill K0ZL

botr8 <b888@...> wrote: Good evening,
My call is WB3DSJ name is Gary and qth is Western Pa.
three miles from the Ohio line and 15 miles from Youngstown,
Ohio. I am an electronic tech and do factory maintance. I have been
On the bands since 1976 but inactive for many years
until abt 3 years ago.
I own a ts530s which except for an intermittant no audio
for abt 30 sec. on startup (sometimes) works great.
My present interests are cw/psk31/and my favorite
Feld Hell, all using the 530s. I am working my way
through the posts (up to 144) and am enjoying them.
Hope to contribute to the group and thanks for having me.
73
Gary

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417. Re: TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 14:04:51 UTC
From: cplt102
Topic: 413 Message: 417

More info:

The manual says to calibrate, set:
Function to CAL-25
RIT to OFF
Turn main tuning knob to receive a marker signal
For LSB: Mode to LSB
Zero-beat a marker signal.

Zero-beat it to what?

Andy
KD6MDO

--- In TS-520_820_530_830@yahoogroups.com, "cplt102" <kd6mdo@c...>
wrote:
> Greetings everyone! I just picked up a TS-520S (my first HF rig),
> and I'm loving it!
> I have a basic question: for calibrating to the 25kHz marker tones,
> the manual directs me to zero-beat one of them...but what am I zero-
> beating to? Do I need to transmit? For calibrating to WWV, it
says
> to use the tune function, which does seem to produce a tone. But
for
> calibrating the dial, it just says to use either USB or LSB and
zero-
> beat it.
> I'm probably not making myself clear, so I'll get the manual out
> tonight and tell you which switches are supposed to be set to
what.
> Thanks for any help!
>
> Andy
> KD6MDO

418. Re: TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 17:06:29 UTC
From: cplt102
Topic: 413 Message: 418

This is great advice, Bill. I believe I may be off by 5 or more kHz...worth trying to get better, I think. I will try this method this weekend. Thanks!

Andy
KD6MDO

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> "Zero-beating" on the modern SSB rigs is difficult, because of the action of the filters, you can't really HEAR zero beat! So it's kinda by-guess-and-by-golly, that sounds about right. In the 520 in the TUNE mode, the carrier oscillator is offset so that you can hear 'zero beat', but just barely. Turn on your calibrator and carefully tune the VFO until the beat tone at one of the markers decreases to a very low bass tone, then slowly keep tuning until you hear the tone get REAL low, then it stops... or wavers the audio very slowly. That is close enough. That's what zero beat sounds like without the filter in the way. Now, switch to USB or LSB and do the same thing. Note that below a certain tone, you really can't hear it but you can FEEL it... hard to explain, but you will be able to sense zero beat if you listen very carefully. Use a big speaker too, that helps. Then look at the hash marks on the VFO index... One in the center, one to the left and one to the right, I think... If there are three, carefully rotate the dial skirt so that the proper 25kHz dial marking lines up with the mark for the mode you are in USB OR LSB. If there is just one mark, as on the Yaesus, line it up with the one in the center. Short of trying to make a sked or traffic net, there's really no point in trying to split hairs... you can get to within 100-300 hz of a desired frequency even without a digital readout, using this method; but you ain't gonna win any frequency measuring contests. I like being right on, but sometimes I take it to a rediculous extreme. I don't know why. 73 bill
>
> cplt102 <kd6mdo@c...> wrote:Greetings everyone! I just picked up a TS-520S (my first HF rig),
> and I'm loving it!
> I have a basic question: for calibrating to the 25kHz marker tones,
> the manual directs me to zero-beat one of them...but what am I zero-
> beating to? Do I need to transmit? For calibrating to WWV, it says
> to use the tune function, which does seem to produce a tone. But for
> calibrating the dial, it just says to use either USB or LSB and zero-

> beat it.
> I'm probably not making myself clear, so I'll get the manual out
> tonight and tell you which switches are supposed to be set to
what.
> Thanks for any help!
>
> Andy
> KD6MDO
>
>
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> ---------------------------------
> Do you Yahoo!?
> The New Yahoo! Search - Faster. Easier. Bingo.
>
> [Non-text portions of this message have been removed]

419. Re: [TS-520_820_530_830] Re: TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 19:50:14 UTC
From: Bill
Topic: 413 Message: 419

Why, against the marker signal, of course! There should be a continuous carrier every 25 khz on the dial with the mode switch at CAL. 73 bill

cplt102 <kd6mdo@...> wrote:More info:

The manual says to calibrate, set:
Function to CAL-25
RIT to OFF
Turn main tuning knob to receive a marker signal
For LSB: Mode to LSB
Zero-beat a marker signal.

Zero-beat it to what?

Andy
KD6MDO

--- In TS-520_820_530_830@yahoogroups.com, "cplt102" <kd6mdo@c...>
wrote:
> Greetings everyone! I just picked up a TS-520S (my first HF rig),
> and I'm loving it!
> I have a basic question: for calibrating to the 25kHz marker tones,
> the manual directs me to zero-beat one of them...but what am I zero-
> beating to? Do I need to transmit? For calibrating to WWV, it
says
> to use the tune function, which does seem to produce a tone. But
for
> calibrating the dial, it just says to use either USB or LSB and
zero-
> beat it.
> I'm probably not making myself clear, so I'll get the manual out
> tonight and tell you which switches are supposed to be set to
what.
> Thanks for any help!
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> Andy
> KD6MDO

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var lrec_target="_top"; var lrec_URL = new Array(); lrec_URL[1] = "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=1705063108:HM/A=1554463/R=0/id=flashurl/*http://shop.store.yahoo.com/cgi-bin/clink?proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb/S=1705063108:HM/A=1554463/R=1/1051889272+http://us.rmi.yahoo.com/rmi/http://www.proflowers.com/rmi-unframed-url/http://www.proflowers.com/freevase/index.cfm%3FREF=FGVYahooEgroupsLRECflash"; var link="javascript:LRECopenWindow(1)"; var lrec_flashfile = 'http://us.yimg.com/a/pr/proflowers2/proflowers_mom_300x250_30k.swf?clickTAG='+link+'';

var lrec_altURL = "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=1705063108:HM/A=1554463/R=2/id=altimgurl/*http://shop.store.yahoo.com/cgi-bin/clink?proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb/S=1705063108:HM/A=1554463/R=3/1051889272+http://us.rmi.yahoo.com/rmi/http://www.proflowers.com/rmi-unframed-url/http://www.proflowers.com/freevase/index.cfm%3FREF=FGVYahooEgroupsLRECgif"; var lrec_altimg = "http://us.yimg.com/a/pr/proflowers2/mday_300x250_vase_20k.gif"; var lrec_width = 300; var lrec_height = 250;
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[Non-text portions of this message have been removed]

420. Re: [TS-520_820_530_830] Re: TS-520S Calibrating

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-02 20:08:10 UTC
From: Bill
Topic: 413 Message: 420

5k not that far with these VFO rigs, that's only about 10 degrees rotation on the calibration skirt! hi hi b

cplt102 <kd6mdo@...> wrote:This is great advice, Bill. I believe I may be off by 5 or more kHz...worth trying to get better, I think. I will try this method this weekend. Thanks!

Andy
KD6MDO

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> "Zero-beating" on the modern SSB rigs is difficult, because of the action of the filters, you can't really HEAR zero beat! So it's kinda by-guess-and-by-golly, that sounds about right. In the 520 in the TUNE mode, the carrier oscillator is offset so that you can hear 'zero beat', but just barely. Turn on your calibrator and carefully tune the VFO until the beat tone at one of the markers decreases to a very low bass tone, then slowly keep tuning until you hear the tone get REAL low, then it stops... or wavers the audio very slowly. That is close enough. That's what zero beat sounds like without the filter in the way. Now, switch to USB or LSB and do the same thing. Note that below a certain tone, you really can't hear it but you can FEEL it... hard to explain, but you will be able to sense zero beat if you listen very carefully. Use a big speaker too, that helps. Then look at the hash marks on the VFO index... One in the center, one to the left and one to the right, I think... If there are three, carefully rotate the dial skirt so that the proper 25kHz dial marking lines up with the mark for the mode you are in USB OR LSB. If there is just one mark, as on the Yaesus, line it up with the one in the center. Short of trying to make a sked or traffic net, there's really no point in trying to split hairs... you can get to within 100-300 hz of a desired frequency even without a digital readout, using this method; but you ain't gonna win any frequency measuring contests. I like being right on, but sometimes I take it to a rediculous extreme. I don't know why. 73 bill
>
> cplt102 <kd6mdo@c...> wrote:Greetings everyone! I just picked up a TS-520S (my first HF rig),
> and I'm loving it!
> I have a basic question: for calibrating to the 25kHz marker tones,
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[Non-text portions of this message have been removed]

421. Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-03 11:23:14 UTC
From: botr8
Topic: 412 Message: 421

Thanks Bill,
I work for a small GE plant that is being run into the
ground so they can close it and do all the work in
Mexico (we make light bulb filiments). We have obsolete
plc's,machines controled by 8088 pc's {I kid you not}
and other goodies like that.
As to the rig, I've cleaned the relays, unpluged and repluged
the connectors, etc. I suspect a bad solder joint as the problem
seems dependent on temp. and it's so intermittant (gone away
at the moment) that I have been waiting for the problem to get
worse.
In case anyone on the group has had something like this
it only happens on startup for anywhere from a few seconds to
2 minutes, the rec. is dead with the s meter up near full scale
and the freq. readout is off by 2 khz. This all clears up together
and rig works like a new one after that. Just annoying actually.
73
Gary

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Hi Gary, welcome. What kind of factory do you work in? I am a tech
at Coors, working on high-speed packaging and materials handling
equipment...lots of PLCs and stuff. On the intermittant audio, have
you done any troubleshooting yet? bill K0ZL
>
> botr8 <b888@l...> wrote: Good evening,
> My call is WB3DSJ name is Gary and qth is Western Pa.
> three miles from the Ohio line and 15 miles from Youngstown,
> Ohio. I am an electronic tech and do factory maintance. I have been
> On the bands since 1976 but inactive for many years
> until abt 3 years ago.
> I own a ts530s which except for an intermittant no audio
> for abt 30 sec. on startup (sometimes) works great.
> My present interests are cw/psk31/and my favorite
> Feld Hell, all using the 530s. I am working my way
> through the posts (up to 144) and am enjoying them.
> Hope to contribute to the group and thanks for having me.
> 73
> Gary
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422. Re: [TS-520_820_530_830] Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-03 16:42:50 UTC
From: Bill
Topic: 412 Message: 422

Take a look at the regulators, and the rect. unit for solder joints... you will have to remove the boards to inspect, not necessary to unsolder wires, just be careful about not pinching them when you put them back. I think the regulator is on the AF unit on the 520/530, no?bill

botr8 <b888@...> wrote: Thanks Bill,
I work for a small GE plant that is being run into the
ground so they can close it and do all the work in
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423. Aquired 830S appears dead on TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-06 06:08:11 UTC
From: filmhog
Topic: 423 Message: 423

Hello to the group.
Just aquired a cosmetically prestine 830S Gold label. While following the instructions on tuning up, It appears to have no tx. Adjusted bias to 60ma. HV is good per meter (900v)approx. When I go to tune position and meter on ALC to peak drive on meter, there is no indication of transmit. I hear the relay pull up but no meter deflection. While trying SSB, still no meter deflection even to try to dip plate. Switch on back is set to on.....(for neutralizing position). I am new to these but do own Collins KWM's so I am a little puzzled where to start. Finals completely blown out? Possibly the driver tube. Don't want to do anything without experienced advice. All tested into a dummy load through bird 43.
Thanks for any help.
Jan

424. Update on no tx 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-06 14:51:53 UTC
From: filmhog
Topic: 424 Message: 424

Here is an update of 830s with no tx. I just examined the finals and driver tube. Finals Glow! Driver does not..... I'm going to try and find a tester today and test the drive tube. It is unlit, so very suspect obviously.
Will post results.
Jan

425. Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-06 21:49:26 UTC
From: botr8
Topic: 412 Message: 425

Ok thanks Bill will check that out, by the way
are a 520 and 530 basicly the same radio?
And what makes a 530 a 530s?
thanks and 73
Gary

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Take a look at the regulators, and the rect. unit for solder
joints... you will have to remove the boards to inspect, not
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426. Re: [TS-520_820_530_830] Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 13:53:19 UTC
From: Bill
Topic: 412 Message: 426

Power supplies, AF unit and PA section are very similar. The 530 gives you WARC bands, a better IF unit, PLL synth on the band select oscillator, slightly better VFO construction, couple other features that slip my mind. Smaller box too. Digital readout, was that standard on the 530? Not sure on the 530/s differences; someone else care to comment? bill

botr8 <b888@...> wrote:Ok thanks Bill will check that out, by the way
are a 520 and 530 basicly the same radio?
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3FREF=FGVYahooEgroupsLRECgif"; var lrec_altimg
= "http://us.yimg.com/a/pr/proflowers2/mday_300x250_vase_20k.gif";
var lrec_width = 300; var lrec_height = 250;
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[Non-text portions of this message have been removed]

427. Re: [TS-520_820_530_830] Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 14:35:53 UTC
From: gb
Topic: 412 Message: 427

Thanks Bill,
My 530s has a digital readout that looks standard.
73
Gary
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, May 07, 2003 9:53 AM
Subject: Re: [TS-520_820_530_830] Re: hello from new guy

Power supplies, AF unit and PA section are very similar. The 530 gives you WARC bands, a better IF unit, PLL synth on the band select oscillator, slightly better VFO construction, couple other features that slip my mind. Smaller box too. Digital readout, was that standard on the 530? Not sure on the 530/s differences; someone else care to comment? bill

botr8 <b888@...> wrote:Ok thanks Bill will check that out, by the way
are a 520 and 530 basicly the same radio?
And what makes a 530 a 530s?
thanks and 73
Gary

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wrote:
> Take a look at the regulators, and the rect. unit for solder
joints... you will have to remove the boards to inspect, not
necessary to unsolder wires, just be careful about not pinching them
when you put them back. I think the regulator is on the AF unit on
the 520/530, no?bill
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> I work for a small GE plant that is being run into the
> ground so they can close it and do all the work in
> Mexico (we make light bulb filiments). We have obsolete
> plc's,machines controled by 8088 pc's {I kid you not}
> and other goodies like that.
> As to the rig, I've cleaned the relays, unpluged and repluged
> the connectors, etc. I suspect a bad solder joint as the problem
> seems dependent on temp. and it's so intermittant (gone away
> at the moment) that I have been waiting for the problem to get
> worse.
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> 2 minutes, the rec. is dead with the s meter up near full scale
> and the freq. readout is off by 2 khz. This all clears up together
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> you done any troubleshooting yet? bill K0ZL
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3FREF=FGVYahooEgroupsLRECflash"; var link="javascript:LRECopenWindow
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428. pwr

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 16:49:04 UTC
From: Gary & Carrie Meyer
Topic: 428 Message: 428

Gentleman,

What is the most accurate way of measuring the power into the finals of my 530s. Just V x A or is there a better way?

KCØNPJ Gary

[Non-text portions of this message have been removed]

429. Re: Update on no tx 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 15:13:11 UTC
From: rsakabu
Topic: 424 Message: 429

Hello Jan,
Two things to first check. Is the no TX on one or more bands and OK on others or is it on ALL bands?
If it is off on a few bands, it is probably the crimp connectors on the band switch wafers. Either they are oxidized or have lost their "spring". First, look at the switching action on the band switch on each wafer as you switch to the "bad" bands. If you don't see the connector physically rise as the tab switches to the connector, gently press the connector back down. Use an insulated thin, long flat screwdriver for this and be sure the rig is unplugged and the tubes have discharged, there is over 300V between the center bandswitch shaft and the rails of the bandswitch bracket.
If you see mechanical action on all connectors as the bandswitch moves to the bad bands, you need to dab a little De-Oxit with a Q-tip on the contact and move the switch back and forth to clean the effects of electrolysis on the contact.

If you have no TX on most or all bands, unplug the rig, let the tubes discharge for a good while and open up the finals compartment. Check the coupling on the bandswitch inside the compartment. It may be cracked and if you move the bandswitch, you'll probably see that the part inside the compartment is not moving in sync with the rest of the bandswitch shaft. Replace the coupling with a new one from East Coast Transistor, Pacific Coast Parts, or make one yourself with a piece of Aluminum tubing with some tapped screw holes. Be sure to use Lock Tite to hold the screws in place because Kenwood neglected to do so originally and overtightening them caused the cracks in the first place.

If those don't work, write back. The 830 is a great rig and a lot of fun to use.

73
Roy
AD6ZU

430. Re: [TS-520_820_530_830] pwr

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 17:21:15 UTC
From: Bill
Topic: 428 Message: 430

You got it! Plate voltage (loaded) times plate current. To figure input on SSB, add about 15 percent to the max CW mode measurement (to account for lack of power supply "sag" in SSB). Your plate efficiency is your output power divided by your input power, times 100 percent. Should range from 60-75 percent. Allow for tolerance of your wattmeter, plus/minus ten percent. bill

Gary & Carrie Meyer <meyer@...> wrote:Gentleman,

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KC?NPJ Gary

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431. Re: [TS-520_820_530_830] Re: hello from new guy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 17:24:34 UTC
From: Bill
Topic: 412 Message: 431

The digital readout and WARC bands I remember were the big selling points for the 530/830 series, and more reliable PLL/VCO/Counter than the 820. b

gb <b888@...> wrote: Thanks Bill,
My 530s has a digital readout that looks standard.
73
Gary
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, May 07, 2003 9:53 AM
Subject: Re: [TS-520_820_530_830] Re: hello from new guy

Power supplies, AF unit and PA section are very similar. The 530 gives you WARC bands, a better IF unit, PLL synth on the band select oscillator, slightly better VFO construction, couple other features that slip my mind. Smaller box too. Digital readout, was that standard on the 530? Not sure on the 530/s differences; someone else care to comment? bill

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432. 830S no Xmit on 40 and 15m

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-07 13:38:51 UTC
From: filmhog
Topic: 432 Message: 432

Hello to the group. Well the testing of my newly aquired 830s Gold proved that the driver tube needed replacing. I now have full expected power output on all bands....except 40m and 15m. These appear to have no output.
I did not touch anything yet regarding pots when the new driver was installed.
Can anyone in the group offer a suggestion where to start next in trouble shooting this problem? 40 and 15 are related by a harmonic (from my dipole experience) and I wonder if this is the reason both of those bands are down at the same time.
For those that are interested, I found a NOS driver in box at a electronics junk store for $1. Output is 100+ on 160 and 80m. zero on 40m and 15m. 100 watts on the rest of the bands with about 800 on 10m.
Thanks for any input on this issue on 40 and 15m.
Jan

433. NO power when using "tune" setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-09 23:20:46 UTC
From: Greg
Topic: 433 Message: 433

Glad to meet the group. I have a TS820s which cannot be tuned using the "tune" setting do to no power output. I realized this is usually a low power setting for tune-up proceedure only, but I must use the CW setting to get enough power for tune-up.

The tune setting DOES work for "peeking" the DRIVE setting, before tune-up , by placing the metrer switch in the ALC position.... I can then maxumize the meter reading here, by adjusting the DRIVE, but thats all. When I continue to try to tune up by placing the meter switch to RF or IP, neither setting produces any meter movement, regardless of the PLATE or LOAD settings. (Nor is there any output on an external watt meter..and I mean NOTHING!) So, I have to switch to CW, keep the CAR turned up just enough for a meter reading, and tune that way. I understand this is NOT normal, and I should be getting sufficient drive in the TUNE position, to allow for a low power tune-up.

Any suggestions on where to look for the problem would be appreciated. The switches have been cleaned etc.

73 Greg

434. Re: hello from new guy:530s problem on startup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-10 01:32:58 UTC
From: botr8
Topic: 412 Message: 434

Bill,
Wanted to let you know I did check the p.s. board for solder
joint problems and found nothing.
I did take a closer look at the problem and a better
discription follows:

turning the rig on cold the s meter is peged but sigs
are heard, after 70 seconds the unit freq readout
jumps down in freq. 3.7khz {on 40m upper ssb} and s meter acts
normaly.
Shut the rig off for 30 sec. and back on and it works
perfectly. Rig has to be left off for 10/20 mins for
problem to return on startup.
Sounds like a cap. now doesn't it?

Anyway, thanks for the help and I think since I have to spend
so much time letting the problem come back and this is my
main rig I will live with it till it gets worse hi hi
Thanks again and will be reading the mail
73
Gary

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
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> To: TS-520_820_530_830@yahoogroups.com
> Sent: Wednesday, May 07, 2003 9:53 AM
> Subject: Re: [TS-520_820_530_830] Re: hello from new guy
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= "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=
>
1705063108:HM/A=1554463/R=0/id=flashurl/*http://shop.store.yahoo.com/c
> gi-bin/clink?
>
proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb
> /S=1705063108:HM/A=1554463/R=1/1051970714+http://us.rmi.yahoo.com/
rmi/
> http://www.proflowers.com/rmi-unframed-
> url/http://www.proflowers.com/freevase/index.cfm%
> 3FREF=FGVYahooEgroupsLRECflash"; var
link="javascript:LRECopenWindow
> (1)"; var lrec_flashfile
>
= 'http://us.yimg.com/a/pr/proflowers2/proflowers_mom_300x250_30k.swf?
> clickTAG='+link+''; var lrec_altURL
>
= "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=
>
1705063108:HM/A=1554463/R=2/id=altimgurl/*http://shop.store.yahoo.com/
> cgi-bin/clink?
>
proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb
> /S=1705063108:HM/A=1554463/R=3/1051970714+http://us.rmi.yahoo.com/
rmi/
> http://www.proflowers.com/rmi-unframed-
> url/http://www.proflowers.com/freevase/index.cfm%
> 3FREF=FGVYahooEgroupsLRECgif"; var lrec_altimg
>
= "http://us.yimg.com/a/pr/proflowers2/mday_300x250_vase_20k.gif";
> var lrec_width = 300; var lrec_height = 250;
> > To unsubscribe from this group, send an email to:
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> >
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435. Re: [TS-520_820_530_830] NO power when using "tune" setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-10 03:30:08 UTC
From: Bill
Topic: 433 Message: 435

Is your idle plate current OK? Other problem may be the screen voltage, in the TUNE mode it reduces your screen voltage on the finals.. maybe due to open resistor it is reducing it too much. b

Greg <va3vfo@...> wrote:Glad to meet the group. I have a TS820s which cannot be tuned using the "tune" setting do to no power output. I realized this is usually a low power setting for tune-up proceedure only, but I must use the CW setting to get enough power for tune-up.

The tune setting DOES work for "peeking" the DRIVE setting, before tune-up , by placing the metrer switch in the ALC position.... I can then maxumize the meter reading here, by adjusting the DRIVE, but thats all. When I continue to try to tune up by placing the meter switch to RF or IP, neither setting produces any meter movement, regardless of the PLATE or LOAD settings. (Nor is there any output on an external watt meter..and I mean NOTHING!) So, I have to switch to CW, keep the CAR turned up just enough for a meter reading, and tune that way. I understand this is NOT normal, and I should be getting sufficient drive in the TUNE position, to allow for a low power tune-up.

Any suggestions on where to look for the problem would be appreciated. The switches have been cleaned etc.

73 Greg

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436. Re: [TS-520_820_530_830] Re: hello from new guy:530s problem on startup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-10 03:32:49 UTC
From: Bill
Topic: 412 Message: 436

Hi Gary,Well yes it could be a cap, but I would start by measuring my regulated voltages in the rig over time. Start with the five volts on the counter. b

botr8 <b888@...> wrote:
Bill,
Wanted to let you know I did check the p.s. board for solder
joint problems and found nothing.
I did take a closer look at the problem and a better
discription follows:

turning the rig on cold the s meter is peged but sigs
are heard, after 70 seconds the unit freq readout
jumps down in freq. 3.7khz {on 40m upper ssb} and s meter acts
normaly.
Shut the rig off for 30 sec. and back on and it works
perfectly. Rig has to be left off for 10/20 mins for
problem to return on startup.
Sounds like a cap. now doesn't it?

Anyway, thanks for the help and I think since I have to spend
so much time letting the problem come back and this is my
main rig I will live with it till it gets worse hi hi
Thanks again and will be reading the mail
73
Gary

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> The digital readout and WARC bands I remember were the big selling
points for the 530/830 series, and more reliable PLL/VCO/Counter than
the 820. b
>
> gb <b888@l...> wrote: Thanks Bill,
> My 530s has a digital readout that looks standard.
> 73
> Gary
> ----- Original Message -----
> From: Bill
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Wednesday, May 07, 2003 9:53 AM
> Subject: Re: [TS-520_820_530_830] Re: hello from new guy
>
>
> Power supplies, AF unit and PA section are very similar. The 530
gives you WARC bands, a better IF unit, PLL synth on the band select

oscillator, slightly better VFO construction, couple other features
that slip my mind. Smaller box too. Digital readout, was that
standard on the 530? Not sure on the 530/s differences; someone else
care to comment? bill
>
> botr8 <b888@l...> wrote:Ok thanks Bill will check that out, by
the way
> are a 520 and 530 basicly the same radio?
> And what makes a 530 a 530s?
> thanks and 73
> Gary
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
> wrote:
> > Take a look at the regulators, and the rect. unit for solder
> joints... you will have to remove the boards to inspect, not
> necessary to unsolder wires, just be careful about not pinching
them
> when you put them back. I think the regulator is on the AF unit
on
> the 520/530, no?bill
> >
> > botr8 <b888@l...> wrote: Thanks Bill,
> > I work for a small GE plant that is being run into the
> > ground so they can close it and do all the work in
> > Mexico (we make light bulb filiments). We have obsolete
> > plc's,machines controled by 8088 pc's {I kid you not}
> > and other goodies like that.
> > As to the rig, I've cleaned the relays, unpluged and repluged
> > the connectors, etc. I suspect a bad solder joint as the problem
> > seems dependent on temp. and it's so intermittant (gone away
> > at the moment) that I have been waiting for the problem to get
> > worse.
> > In case anyone on the group has had something like this
> > it only happens on startup for anywhere from a few seconds to
> > 2 minutes, the rec. is dead with the s meter up near full scale
> > and the freq. readout is off by 2 khz. This all clears up
together
> > and rig works like a new one after that. Just annoying actually.
> > 73
> > Gary
> >
> >
> >
> >
> >
> >
> >
> >
> >

> > --- In TS-520_820_530_830@yahoogroups.com, Bill
<coorsbill@y...>
> > wrote:
> > > Hi Gary, welcome. What kind of factory do you work in? I am
a
> tech
> > at Coors, working on high-speed packaging and materials
handling
> > equipment...lots of PLCs and stuff. On the intermittant audio,
have
> > you done any troubleshooting yet? bill K0ZL
> > >
> > > botr8 <b888@l...> wrote: Good evening,
> > > My call is WB3DSJ name is Gary and qth is Western Pa.
> > > three miles from the Ohio line and 15 miles from Youngstown,
> > > Ohio. I am an electronic tech and do factory maintance. I
have
> been
> > > On the bands since 1976 but inactive for many years
> > > until abt 3 years ago.
> > > I own a ts530s which except for an intermittant no audio
> > > for abt 30 sec. on startup (sometimes) works great.
> > > My present interests are cw/psk31/and my favorite
> > > Feld Hell, all using the 530s. I am working my way
> > > through the posts (up to 144) and am enjoying them.
> > > Hope to contribute to the group and thanks for having me.
> > > 73
> > > Gary
> > >
> > >
> > >
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> > var lrec_target="_top"; var lrec_URL = new Array(); lrec_URL[1]
>
= "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=
>
1705063108:HM/A=1554463/R=0/id=flashurl/*http://shop.store.yahoo.com/c
> gi-bin/clink?
>
proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb
> /S=1705063108:HM/A=1554463/R=1/1051970714+http://us.rmi.yahoo.com/
rmi/
> http://www.proflowers.com/rmi-unframed-
> url/http://www.proflowers.com/freevase/index.cfm%
> 3FREF=FGVYahooEgroupsLRECflash"; var
link="javascript:LRECopenWindow
> (1)"; var lrec_flashfile
>
= 'http://us.yimg.com/a/pr/proflowers2/proflowers_mom_300x250_30k.swf?
> clickTAG='+link+''; var lrec_altURL
>
= "http://rd.yahoo.com/M=231971.3069703.4522067.1261774/D=egroupweb/S=
>
1705063108:HM/A=1554463/R=2/id=altimgurl/*http://shop.store.yahoo.com/
> cgi-bin/clink?
>
proflowers2+shopping:dmad/M=231971.3069703.4522067.1261774/D=egroupweb
> /S=1705063108:HM/A=1554463/R=3/1051970714+http://us.rmi.yahoo.com/
rmi/
> http://www.proflowers.com/rmi-unframed-
> url/http://www.proflowers.com/freevase/index.cfm%
> 3FREF=FGVYahooEgroupsLRECgif"; var lrec_altimg
>
= "http://us.yimg.com/a/pr/proflowers2/mday_300x250_vase_20k.gif";
> var lrec_width = 300; var lrec_height = 250;
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437. Re: NO power when using "tune" setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-10 11:34:34 UTC
From: Greg
Topic: 433 Message: 437

TNX for your input Bill it is appreciated. Yes the Idle Plate current is OK and at the recommended setting.

I will check the rig schematic for a reistior in the screen/TUNE swtich line. OK on the screen voltage possibley being too low on the finals.

My first thought was a driver tube related problem, as I thouht it was that tube which is used "mostly" durring use of the TUNE position. Also,for more info; after the rig is tuned up, power is close to 100W output, so the problem is only durring the TUNE switch use.

73 Greg

Is your idle plate current OK? Other problem may be the screen voltage, in the TUNE mode it reduces your screen voltage on the finals.. maybe due to open resistor it is reducing it too much. b
>
> Greg <va3vfo@r...> wrote:Glad to meet the group. I have a TS820s which cannot be tuned using
> the "tune" setting do to no power output. I realized this is usually
> a low power setting for tune-up proceedure only, but I must use the
> CW setting to get enough power for tune-up.
>

438. Re: [TS-520_820_530_830] Re: NO power when using "tune" setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-10 14:11:53 UTC
From: Bill
Topic: 433 Message: 438

If you are getting ALC voltage, that indicates grid overdrive so it should not be a driver tube problem. also.. if the ALC stays up during transmit, and doesn't die off, the 12BY7 is OK. Just a quick way of checking your driver! Best tube tester is the rig itself... Screen voltage should be 225 plus in regular TX, about 105-165 in TUNE mode and -60 to -100 volts with the SG switch on the back panel OFF. bill

Greg <va3vfo@...> wrote:TNX for your input Bill it is appreciated. Yes the Idle Plate current
is OK and at the recommended setting.

I will check the rig schematic for a reistior in the screen/TUNE
swtich line. OK on the screen voltage possibley being too low on the
finals.

My first thought was a driver tube related problem, as I thouht it
was that tube which is used "mostly" durring use of the TUNE
position. Also,for more info; after the rig is tuned up, power is
close to 100W output, so the problem is only durring the TUNE switch
use.

73 Greg

Is your idle plate current OK? Other problem may be the screen
voltage, in the TUNE mode it reduces your screen voltage on the
finals.. maybe due to open resistor it is reducing it too much. b
>
> Greg <va3vfo@r...> wrote:Glad to meet the group. I have a TS820s
which cannot be tuned using
> the "tune" setting do to no power output. I realized this is
usually
> a low power setting for tune-up proceedure only, but I must use the
> CW setting to get enough power for tune-up.
>

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439. ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-13 15:46:07 UTC
From: Nigel
Topic: 439 Message: 439

hi i have a ts530sp which puts out 100 watts on all bands with the exception of 20m where i can only get an output of 50 watts. the atu gives a good match on 20m less tham 1.5 to 1. has anyone got any suggestions of what could be happening. all the best nigel m0dbo

440. 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-13 18:39:38 UTC
From: william stephenson
Topic: 440 Message: 440

Hi All,
is it woth buying a single 6146b at the right price ? or is it
essential to buy them as matched pairs. I have a spare set of 6146's and a
driver but one has come up for sale as a single item.

cheers

Bill G4KKI
----- Original Message -----
From: "Nigel" <nhead@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, May 13, 2003 3:46 PM
Subject: [TS-520_820_530_830] ts530sp

> hi i have a ts530sp which puts out
> 100 watts on all bands with the
> exception of 20m where i can only
> get an output of 50 watts. the atu
> gives a good match on 20m less tham
> 1.5 to 1. has anyone got any
> suggestions of what could be
> happening. all the best nigel m0dbo
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441. Re: [TS-520_820_530_830] ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-13 18:49:26 UTC
From: Bill
Topic: 439 Message: 441

what is the ALC meter showing?

Tried it into dummy load?

bill

Nigel <nhead@...> wrote:
hi i have a ts530sp which puts out
100 watts on all bands with the
exception of 20m where i can only
get an output of 50 watts. the atu
gives a good match on 20m less tham
1.5 to 1. has anyone got any
suggestions of what could be
happening. all the best nigel m0dbo

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442. Re: [TS-520_820_530_830] 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-13 18:51:04 UTC
From: Bill
Topic: 440 Message: 442

Try to match manuf, and only buy 6146B's... yes it's worth it, if you have to get 5 to get two matched pairs, if price is right you will be doing good.

b

william stephenson <g4kki.bill@...> wrote:
Hi All,
is it woth buying a single 6146b at the right price ? or is it
essential to buy them as matched pairs. I have a spare set of 6146's and a
driver but one has come up for sale as a single item.

cheers

Bill G4KKI
----- Original Message -----
From: "Nigel" <nhead@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, May 13, 2003 3:46 PM
Subject: [TS-520_820_530_830] ts530sp

> hi i have a ts530sp which puts out
> 100 watts on all bands with the
> exception of 20m where i can only
> get an output of 50 watts. the atu
> gives a good match on 20m less tham
> 1.5 to 1. has anyone got any
> suggestions of what could be
> happening. all the best nigel m0dbo
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443. Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-13 21:13:42 UTC
From: rsakabu
Topic: 440 Message: 443

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Try to match manuf, and only buy 6146B's... yes it's worth it, if
you have to get 5 to get two matched pairs, if price is right you will
be doing good.
>
> b

Hi Bill,
This might help to educate some of us raised in the "post tube" era.
Do you want a matched pair because the filaments of the 6146B's are
hooked up in series and depend on equal current draw/voltage drop
across their filaments?

If that is the case, then wouldn't it be a good idea to get 6883B's
when replacing the 6146B's? The idea behind this is that you would
rewire the 12V filament circuitry to heat the 6883B's in parallel
rather than the 6146's in series. This way, the next time you get
replacement finals, you won't have to "match" them. Of course the
current draw of mismatched tubes will still cause imbalanced power
power output between the tubes, but it might not be as bad as if they
were wired in series.

If that's not the case, then what characteristic of the tube is being
matched? Are there instructions somewhere where we can learn about
testing tubes without a tube tester?

Thanks,
Roy
AD6ZU

444. Re: [TS-520_820_530_830] Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 02:25:03 UTC
From: Bill
Topic: 440 Message: 444

Some good questions, Roy.

The only issue I have with using 6883's is that it modifies the rig. Not a problem, really, unless a potential buyer would have a problem with that or if the tubes were to become less plentiful than the 6146's.

I think the filament draw on the 6146Bs are the same from manuf to manuf, but my concern is that different manufacturers are more likely to have different inter-electrode capacitances, which will affect neutralization. I have mixed and matched different tube manufs' (same tube type however) with good results, but you never know; be prepared to back up one step if things don't work out.

I suspect as tube prices go higher, guys are going to worry less about matched pairs and all that! Just being able to get the tubes will be sufficient for most.

As for testing them, here's my method:

SSB mode. TX into dummy load. Idle current should be 50-60 mills. Raise idle current with the bias control momentarily to 150-200 mills. Unkey very quickly and let tubes cool for ten seconds. Key up again, watch plate current. If it stays up there for 2-3 seconds, unkey. You have good final or finals. Reset bias to normal.

Next, tune up into dummy load for max smoke. Unkey, let it cool ten seconds, then switch meter to ALC. Key up again in CW mode. Watch ALC meter. If it comes up and then dives back to the left, you have a bad DRIVER tube. If it stays up, driver is good.

Now load up for max smoke. You should see at least 220mA of plate current and 80-125 watts of output on 20M. If less plate current and power at absolute max, one or both finals are shot. Replace both.

That's it. Not a tube tester in sight, eh? hehe

bill

rsakabu <rsakabu@...> wrote:
--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Try to match manuf, and only buy 6146B's... yes it's worth it, if
you have to get 5 to get two matched pairs, if price is right you will
be doing good.
>
> b

Hi Bill,
This might help to educate some of us raised in the "post tube" era.
Do you want a matched pair because the filaments of the 6146B's are
hooked up in series and depend on equal current draw/voltage drop
across their filaments?

If that is the case, then wouldn't it be a good idea to get 6883B's when replacing the 6146B's? The idea behind this is that you would rewire the 12V filament circuitry to heat the 6883B's in parallel rather than the 6146's in series. This way, the next time you get replacement finals, you won't have to "match" them. Of course the current draw of mismatched tubes will still cause imbalanced power power output between the tubes, but it might not be as bad as if they were wired in series.

If that's not the case, then what characteristic of the tube is being matched? Are there instructions somewhere where we can learn about testing tubes without a tube tester?

Thanks,
Roy
AD6ZU

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[Non-text portions of this message have been removed]

445. Hi everyone! EXYL says I have too many radios!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 05:40:03 UTC
From: n7ylw
Topic: 445 Message: 445

Now, I ask you, how can anyone ever have too many radios! Have an extra Kenwood 520 with manual ,sp-520 speaker,no mic tho, I took my old one off to use on another rig. This is all for sale. Interested parties,contact thru email listed here in group. Its in graet condition and transmits/receives excellent. No problems,no mods. Just an extra Thanks and 73s de N7YLW.

446. Re: ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 06:13:47 UTC
From: Nigel
Topic: 439 Message: 446

--- In
TS-520_820_530_830@yahoogroups.com,
Bill <coorsbill@y...> wrote:
> what is the ALC meter showing?
>
> Tried it into dummy load?
>
> bill
>
> hi bill the alc meter goes almost
to the end black mark of the alc
meter. it does exactly the same into
a dummy load any help would be
appreciated. all the best nigel
m0dbo
>
>
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> see our website
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>
> ---------------------------------
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Easier. Bingo.
>
> [Non-text portions of this message
have been removed]

447. Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 15:10:33 UTC
From: rsakabu
Topic: 440 Message: 447

Thanks Bill, that really helps. I've heard that matched tubes are more easily neutralized and *may* lead to fewer parasitics, but I didn't know why.

The reason I asked about testing without a tube tester was if you ran across some tubes real cheap, rather than finding a tube tester, is there a way of testing them before you put them in your rig. And if you had a pile of tubes, is there a way of matching them.

73
Roy
AD6ZU

448. Re: [TS-520_820_530_830] Re: ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 15:46:27 UTC
From: Bill
Topic: 439 Message: 448

Left or right side of the meter scale?

b

Nigel <nhead@...> wrote:
--- In
TS-520_820_530_830@yahoogroups.com,
Bill <coorsbill@y...> wrote:
> what is the ALC meter showing?
>
> Tried it into dummy load?
>
> bill
>
> hi bill the alc meter goes almost
to the end black mark of the alc
meter. it does exactly the same into
a dummy load any help would be
appreciated. all the best nigel
m0dbo
>
>
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> see our website
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>
> ---------------------------------
> Do you Yahoo!?
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Easier. Bingo.
>

> [Non-text portions of this message
have been removed]

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[Non-text portions of this message have been removed]

449. Re: [TS-520_820_530_830] Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 15:57:52 UTC
From: Bill
Topic: 440 Message: 449

Roy you could match them, I think by either measuring the interelectrode capacitances or static DC current at a given grid bias, I don't know...

If I have several tubes to try out, I will "split" the cathode circuit in a 520 or whatever is on the bench so that the cathodes each go to ground through their own resistor; then put the tubes in, run the bias up to around 50 mA per tube, and measure the cathode voltages.. they usually come out pretty close. If one is 50 mils and another is 12, those are NOT good matches! hi.

As for the AC characteristics, I think the best thing would be to have an old Heathkit one-lunger 6146 rig set up on 10 or 20 meters with a crystal; put each tube in and see what smoke will come out the other end. Key I guess would be to keep from drawing any grid current so you aren't saturating the tube.

In fact I have a DX60 here that I am setting up for just that purpose! I just need a rock for it.

As for matched sets of tubes: my very controversial opinion is that, in a parallel configuration, tubes tend to match themselves as far as plate conductance goes... the tube that is stronger will do more work until it wears down a bit, eventually they are both pulling nearly the same load.

Many times I have replaced only the 6146 that was bad in a customer's set to save them money, if I think the other one is OK... and so far, everyone has been happy, saving from $30-50 on repairs... no warranty returns anyway!

hi hi

b

rsakabu <rsakabu@...> wrote:
Thanks Bill, that really helps. I've heard that matched tubes are
more easily neutralized and *may* lead to fewer parasitics, but I
didn't know why.

The reason I asked about testing without a tube tester was if you ran
across some tubes real cheap, rather than finding a tube tester, is
there a way of testing them before you put them in your rig. And if
you had a pile of tubes, is there a way of matching them.

73
Roy
AD6ZU

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[Non-text portions of this message have been removed]

450. RE:Re: [TS-520_820_530_830] Re: ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 17:09:18 UTC
From: nhead@cwctv.net
Topic: 439 Message: 450

hi bill the right side of the meter .
regards nigel

On Wed, 14 May 2003 08:46:27 -0700 (PDT) Bill <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

451. Re: 6146b/one tube change

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 20:43:56 UTC
From: botr8
Topic: 440 Message: 451

As to changing only the bad 6146 I'm with Bill I've
done it that way in my 530s my HW101 and I think in a
knightkit t150 (long time ago) and all neutralized and worked fine.
Gary wb3dsj

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Roy you could match them, I think by either measuring the
interelectrode capacitances or static DC current at a given grid
bias, I don't know...
>
> If I have several tubes to try out, I will "split" the cathode
circuit in a 520 or whatever is on the bench so that the cathodes
each go to ground through their own resistor; then put the tubes in,
run the bias up to around 50 mA per tube, and measure the cathode
voltages.. they usually come out pretty close. If one is 50 mils and
another is 12, those are NOT good matches! hi.
>
> As for the AC characteristics, I think the best thing would be to
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with a crystal; put each tube in and see what smoke will come out the
other end. Key I guess would be to keep from drawing any grid
current so you aren't saturating the tube.
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> In fact I have a DX60 here that I am setting up for just that
purpose! I just need a rock for it.
>
> As for matched sets of tubes: my very controversial opinion is
that, in a parallel configuration, tubes tend to match themselves as
far as plate conductance goes... the tube that is stronger will do
more work until it wears down a bit, eventually they are both pulling
nearly the same load.
>
> Many times I have replaced only the 6146 that was bad in a
customer's set to save them money, if I think the other one is OK...
and so far, everyone has been happy, saving from $30-50 on repairs...
no warranty returns anyway!
>
> hi hi
>
> b
>
> rsakabu <rsakabu@p...> wrote:
> Thanks Bill, that really helps. I've heard that matched tubes are
> more easily neutralized and *may* lead to fewer parasitics, but I

> didn't know why.
>
> The reason I asked about testing without a tube tester was if you
ran
> across some tubes real cheap, rather than finding a tube tester, is
> there a way of testing them before you put them in your rig. And if
> you had a pile of tubes, is there a way of matching them.
>
> 73
> Roy
> AD6ZU
>
>
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>
> [Non-text portions of this message have been removed]

452. Re: [TS-520_820_530_830] Re: 6146b/one tube change

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-14 23:18:45 UTC
From: Bill
Topic: 440 Message: 452

Thanks Gary. One would expect the original tube to fail more quickly with a new-ish partner, but that doesn't seem to be the case.

b

botr8 <b888@...> wrote:
As to changing only the bad 6146 I'm with Bill I've
done it that way in my 530s my HW101 and I think in a
knightkit t150 (long time ago) and all neutralized and worked fine.
Gary wb3dsj

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[Non-text portions of this message have been removed]

453. Help a newbie setup his 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-15 20:34:18 UTC
From: Jim
Topic: 453 Message: 453

OK, I have been the proud owner of an 820S for about two hours. My previous rig is a CW only Heathkit HW-16 that came with three bands and a minimum number of controls so I have a lot of new things to play with! I have been through the owner's manual and it all seems pretty straightforward except for two things:

1. For base station operating, do I want the heater switch turned on or off? The manual suggest they should be off in mobile and portable operation, but it doesn't really say under what conditions it should be switched on.

2. I have found the CAL position on the 7-position VFO switch and I understand it is supposed to generate markers every 25 kHz. The book also says that when the digital display disagrees with the analog tuner, I should believe the digital frequency adjust the dial calibration ring until the analog reading matches. So, what happens when you hear the marker when the digital display does not read a multiple of 25K and all the other controls are dead center?

Tnx & 73,
Jim

454. Re: [TS-520_820_530_830] Help a newbie setup his 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-17 02:24:04 UTC
From: Bill
Topic: 453 Message: 454

Turn on the heater switch if you are going to be transmitting. Otherwise, you can leave it off and save a few watts.

You will not hear the marker if you are reading exactly on the marker frequency, as you will be zero-beat to the marker. For instance, if the freq readout is right on 28.400, you should not hear the marker. You will hear it at 28.401 (or is it 28.399? I forget), and you will hear a 1kHz tone, since you are "off" the frequency by 1 kilohertz.

If the counter or the rig or the calibrator are off frequency, that error will show up as a difference from this.

bill

Jim <k1zc@...> wrote:
OK, I have been the proud owner of an 820S for about two hours. My previous rig is a CW only Heathkit HW-16 that came with three bands and a minimum number of controls so I have a lot of new things to play with! I have been through the owner's manual and it all seems pretty straightforward except for two things:

1. For base station operating, do I want the heater switch turned on or off? The manual suggest they should be off in mobile and portable operation, but it doesn't really say under what conditions it should be switched on.

2. I have found the CAL position on the 7-position VFO switch and I understand it is supposed to generate markers every 25 kHz. The book also says that when the digital display disagrees with the analog tuner, I should believe the digital frequency adjust the dial calibration ring until the analog reading matches. So, what happens when you hear the marker when the digital display does not read a multiple of 25K and all the other controls are dead center?

Tnx & 73,
Jim

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455. Testing

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-17 18:14:20 UTC
From: awc
Topic: 455 Message: 455

Just checking to see if my Yahoo account been reset.

awc

[Non-text portions of this message have been removed]

456. Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-17 22:29:51 UTC
From: Jim
Topic: 456 Message: 456

While trying to get my new acquisition on the air, I am having a bit of a problem following the tuning procedure. I have had a tube rig before, so much of this is old hat.

Following the instructions in the manual:

1. Switch on SSB mode and adjust bias to 60ma. Check!
2. Switch to tune mode and adjust for maximum drive. Check!
3. Find the dip the plate current. Check!
4. Switch to CW mode, set meter to RF, and fiddle with load and plate to maximize output. Trouble in paradise.

In fact, the RF meter reads zero. I know about the RF volt adjustment in the back, but it does not seems to make any difference. I am tuning on 40 meters into a resonant dipole that I have used for a year or so with another rig so I am pretty sure this is not caused by a high SWR. No matter what, I get zero on RF output.

Time for new finals?

457. Re: [TS-520_820_530_830] Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 00:31:22 UTC
From: f x
Topic: 456 Message: 457

HI, This is certaily not from Bill, the resident guru, but what does the Ip (Plate Current) read when you key down in CW mode? and what is the HV reading? Could be as simple as a fried diode in the Power Out meter circuit... Since you had a dip in tune, it suggests that the finals are working... and you had a peak on the drive control... Do you have a separate output meter? Perhaps in an antenna tuner or VSWR meter? You might check what they say as well....

OK, Bill... what has been left out???

regards

Raleigh

NY0Y

Jim <k1zc@...> wrote:
While trying to get my new acquisition on the air, I am having a bit of a problem following the tuning procedure. I have had a tube rig before, so much of this is old hat.

Following the instructions in the manual:

1. Switch on SSB mode and adjust bias to 60ma. Check!
2. Switch to tune mode and adjust for maximum drive. Check!
3. Find the dip the plate current. Check!
4. Switch to CW mode, set meter to RF, and fiddle with load and plate to maximize output. Trouble in paradise.

In fact, the RF meter reads zero. I know about the RF volt adjustment in the back, but it does not seems to make any difference. I am tuning on 40 meters into a resonant dipole that I have used for a year or so with another rig so I am pretty sure this is not caused by a high SWR. No matter what, I get zero on RF output.

Time for new finals?

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[Non-text portions of this message have been removed]

458. Re: [TS-520_820_530_830] Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 03:45:08 UTC
From: Gary & Carrie Meyer
Topic: 456 Message: 458

----- Original Message -----
From: Jim
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, May 17, 2003 3:29 PM
Subject: [TS-520_820_530_830] Finals Blown?

Jim

Send- receive switch to Send
Close Key
Presto RF
KCØNPJ Gary

[Non-text portions of this message have been removed]

459. Re: [TS-520_820_530_830] Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 03:35:12 UTC
From: Bill
Topic: 456 Message: 459

Raleigh, you covered it all! Thanks... Jim, Raleigh is right on... keep us posted after you check with an external wattmeter.

b

f x <dawnlight1491@...> wrote:
HI, This is certaily not from Bill, the resident guru, but what does the Ip (Plate Current) read when you key down in CW mode? and what is the HV reading? Could be as simple as a fried diode in the Power Out meter circuit... Since you had a dip in tune, it suggests that the finals are working... and you had a peak on the drive control... Do you have a separate output meter? Perhaps in an antenna tuner or VSWR meter? You might check what they say as well....

OK, Bill... what has been left out???

regards

Raleigh

NY0Y

Jim <k1zc@...> wrote:
...
In fact, the RF meter reads zero. I know about the RF volt
adjustment in the back, but it does not seems to make any
difference. I am tuning on 40 meters into a resonant dipole that I
have used for a year or so with another rig so I am pretty sure this
is not caused by a high SWR. No matter what, I get zero on RF
output.

Time for new finals?

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[Non-text portions of this message have been removed]

460. Re: [TS-520_820_530_830] Testing

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 03:36:04 UTC
From: Bill
Topic: 455 Message: 460

Q5 here OM

b

awc <awc@...> wrote:
Just checking to see if my Yahoo account been reset.

awc

see our website www.amateur-repairs.com

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[Non-text portions of this message have been removed]

461. Re: [TS-520_820_530_830] Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 10:19:23 UTC
From: VK4KSS
Topic: 456 Message: 461

I had a similar problem on my TS 520S last week

Things to check first include

1. a dirty band switch
2. dry joint on the crystal controling 40m
3. the radio may need to be tweaked a bit
4. a dead crystal.

In my case it turned out to be a dead 12.395 Mhz crystal (that controls 80m). I could adjust the bias but there was not RX or TX on 80m

Adam VK4KSS

----- Original Message -----
From: "Jim" <k1zc@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, May 18, 2003 8:29 AM
Subject: [TS-520_820_530_830] Finals Blown?

> While trying to get my new acquisition on the air, I am having a bit
> of a problem following the tuning procedure. I have had a tube rig
> before, so much of this is old hat.
>
> Following the instructions in the manual:
>
> 1. Switch on SSB mode and adjust bias to 60ma. Check!
> 2. Switch to tune mode and adjust for maximum drive. Check!
> 3. Find the dip the plate current. Check!
> 4. Switch to CW mode, set meter to RF, and fiddle with load and
> plate to maximize output. Trouble in paradise.
>
> In fact, the RF meter reads zero. I know about the RF volt
> adjustment in the back, but it does not seems to make any
> difference. I am tuning on 40 meters into a resonant dipole that I
> have used for a year or so with another rig so I am pretty sure this
> is not caused by a high SWR. No matter what, I get zero on RF
> output.
>
> Time for new finals?

462. Re: Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-18 14:00:26 UTC
From: Jim
Topic: 456 Message: 462

Thanks for all the friendly advice gentlemen. I think the missing link was hinted at by Gary KC0NPJ - I did not notice that switching the standby switch to "SEND" does not activate the Tx in CW mode (that comes several pages later in the manual). So special thanks to Gary, and as Homer Simpson would say "DOH!".

One other question. When I tune up on 40m per the procedure in the booklet, I get a dip on the plate current but the pointer on the knob is down in the 3.5Mhz range. I assume I should ignore the knob and go with the meter?

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <k1zc@a...> wrote:
> While trying to get my new acquisition on the air, I am having a bit
> of a problem following the tuning procedure. I have had a tube rig
> before, so much of this is old hat.
>
> Following the instructions in the manual:
>
> 1. Switch on SSB mode and adjust bias to 60ma. Check!
> 2. Switch to tune mode and adjust for maximum drive. Check!
> 3. Find the dip the plate current. Check!
> 4. Switch to CW mode, set meter to RF, and fiddle with load and
> plate to maximize output. Trouble in paradise.
>
> In fact, the RF meter reads zero. I know about the RF volt
> adjustment in the back, but it does not seems to make any
> difference. I am tuning on 40 meters into a resonant dipole that I
> have used for a year or so with another rig so I am pretty sure this
> is not caused by a high SWR. No matter what, I get zero on RF
> output.
>
> Time for new finals?

463. Re: [TS-520_820_530_830] Re: Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-19 14:05:40 UTC
From: Bill
Topic: 456 Message: 463

Check that your pointer is lined up with the capacitor plates... you will have to unplug the radio, LET IT BLEED OFF the hi-v, and look inside the final cage... with the plate tuning cap fully meshed, the pointer should be at 9 o'clock. While you have the covers off, blow out any dust from the PA cage and give the rig a good lookin' over, top and bottom.

Use a good #2 Phillips-head screwdriver.

73!

bill

Jim <k1zc@...> wrote:
Thanks for all the friendly advice gentlemen. I think the missing
link was hinted at by Gary KC0NPJ - I did not notice that switching
the standby switch to "SEND" does not activate the Tx in CW mode
(that comes several pages later in the manual). So special thanks
to Gary, and as Homer Simpson would say "DOH!".

One other question. When I tune up on 40m per the procedure in the
booklet, I get a dip on the plate current but the pointer on the
knob is down in the 3.5Mhz range. I assume I should ignore the knob
and go with the meter?

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <k1zc@a...> wrote:
> While trying to get my new acquisition on the air, I am having a
bit
> of a problem following the tuning procedure. I have had a tube
rig
> before, so much of this is old hat.
>
> Following the instructions in the manual:
>
> 1. Switch on SSB mode and adjust bias to 60ma. Check!
> 2. Switch to tune mode and adjust for maximum drive. Check!
> 3. Find the dip the plate current. Check!
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> plate to maximize output. Trouble in paradise.
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> In fact, the RF meter reads zero. I know about the RF volt
> adjustment in the back, but it does not seems to make any
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I
> have used for a year or so with another rig so I am pretty sure
this
> is not caused by a high SWR. No matter what, I get zero on RF
> output.

>
> Time for new finals?

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var lrec_target="_blank";var lrec_URL = new Array();lrec_URL[1] = "http://rd.yahoo.com/M=253924.3294213.4590844.1261774/D=egroupweb/S=1705063108:HM/A=1380983/R=0/id=flashurl/*http://companion.yahoo.com/config/features5";var link="javascript:LRECopenWindow(1)";var lrec_flashfile = 'http://us.a1.yimg.com/us.yimg.com/a/ya/yahoo_companion/pop_lrec_comp.swf?clickTAG='+link+'';var lrec_altURL = "http://rd.yahoo.com/M=253924.3294213.4590844.1261774/D=egroupweb/S=1705063108:HM/A=1380983/R=1/id=altimgurl/*http://companion.yahoo.com/config/features5";var lrec_altimg = "http://us.a1.yimg.com/us.yimg.com/a/ya/yahoo_companion/pop_lrec_back.gif";var lrec_width = 300;var lrec_height = 250;
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[Non-text portions of this message have been removed]

464. Re: Finals Blown?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-19 19:45:21 UTC
From: Jim
Topic: 456 Message: 464

Yes, I will give the plates a look. I find the CW sidetone to be too loud so I need to pop the hood to reach the sidetone volume adjustment. Also, I have a slight problem with the lamp on the S-Meter that is probably just a loose connection or oxidation on the bulb so I have a few other chores to do inside. That is my project for next weekend.

Thanks for the warning about HV inside the box, but I am afraid I discovered what capacitors do the hard way about 30 years ago while working on an old TV set. You only need to discharge them that way once to learn your lesson.

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Check that your pointer is lined up with the capacitor plates... you will have to unplug the radio, LET IT BLEED OFF the hi-v, and look inside the final cage... with the plate tuning cap fully meshed, the pointer should be at 9 o'clock. While you have the covers off, blow out any dust from the PA cage and give the rig a good lookin' over, top and bottom.
>
> Use a good #2 Phillips-head screwdriver.
>
> 73!
>
> bill
>
> Jim <k1zc@a...> wrote:
> Thanks for all the friendly advice gentlemen. I think the missing
> link was hinted at by Gary KC0NPJ - I did not notice that switching
> the standby switch to "SEND" does not activate the Tx in CW mode
> (that comes several pages later in the manual). So special thanks
> to Gary, and as Homer Simpson would say "DOH!".
>
> One other question. When I tune up on 40m per the procedure in the
> booklet, I get a dip on the plate current but the pointer on the
> knob is down in the 3.5Mhz range. I assume I should ignore the knob
> and go with the meter?
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Jim" <k1zc@a...> wrote:

> > While trying to get my new acquisition on the air, I am having a
> bit
> > of a problem following the tuning procedure. I have had a tube
> rig
> > before, so much of this is old hat.
> >
> > Following the instructions in the manual:
> >
> > 1. Switch on SSB mode and adjust bias to 60ma. Check!
> > 2. Switch to tune mode and adjust for maximum drive. Check!
> > 3. Find the dip the plate current. Check!
> > 4. Switch to CW mode, set meter to RF, and fiddle with load and
> > plate to maximize output. Trouble in paradise.
> >
> > In fact, the RF meter reads zero. I know about the RF volt
> > adjustment in the back, but it does not seems to make any
> > difference. I am tuning on 40 meters into a resonant dipole
that
> I
> > have used for a year or so with another rig so I am pretty sure
> this
> > is not caused by a high SWR. No matter what, I get zero on RF
> > output.
> >
> > Time for new finals?
>
>
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> var lrec_target="_blank";var lrec_URL = new Array();lrec_URL[1]
= "http://rd.yahoo.com/M=253924.3294213.4590844.1261774/D=egroupweb/S
=1705063108:HM/A=1380983/R=0/id=flashurl/*http://companion.yahoo.com/
config/features5";var link="javascript:LRECopenWindow(1)";var
lrec_flashfile
= 'http://us.a1.yimg.com/us.yimg.com/a/ya/yahoo_companion/pop_lrec_co
mp.swf?clickTAG='+link+'';var lrec_altURL
= "http://rd.yahoo.com/M=253924.3294213.4590844.1261774/D=egroupweb/S
=1705063108:HM/A=1380983/R=1/id=altimgurl/*http://companion.yahoo.com
/config/features5";var lrec_altimg
= "http://us.a1.yimg.com/us.yimg.com/a/ya/yahoo_companion/pop_lrec_ba
ck.gif";var lrec_width = 300;var lrec_height = 250;
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> [Non-text portions of this message have been removed]

465. Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-22 02:19:23 UTC
From: José Pedro Alvarez
Topic: 440 Message: 465

Hello Bill,

Using this method in 20 meters into a dummy load my TS-820S gives me at absolutely max smoke exactly 220ma and 80 watts.

I guess that means that I should start looking for a pair of new 6146B's, right?

Jose Pedro Alvarez
CA3RVF
Santiago, Chile

> As for testing them, here's my method:
> SSB mode. TX into dummy load. Idle current should be 50-60 mills. Raise idle current with the bias control momentarily to 150-200 mills. Unkey very quickly and let tubes cool for ten seconds. Key up again, watch plate current. If it stays up there for 2-3 seconds, unkey. You have good final or finals. Reset bias to normal.
>
> Next, tune up into dummy load for max smoke. Unkey, let it cool ten seconds, then switch meter to ALC. Key up again in CW mode. Watch ALC meter. If it comes up and then dives back to the left, you have a bad DRIVER tube. If it stays up, driver is good.
>
> Now load up for max smoke. You should see at least 220mA of plate current and 80-125 watts of output on 20M. If less plate current and power at absolute max, one or both finals are shot. Replace both.
>
> That's it. Not a tube tester in sight, eh? hehe
>
> bill

466. Re: [TS-520_820_530_830] Re: 6146b

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-22 03:51:40 UTC
From: Bill
Topic: 440 Message: 466

Maybe not... does the plate current or output power start to decrease after a few seconds of transmit at this level? If not, it could just be low line voltage at your house. Check with a good meter. The radio may be wired for 120vac or 240, what is your line voltage read?

73,

Bill

Jos?_Pedro_Alvarez <josepedro@...> wrote:
Hello Bill,

Using this method in 20 meters into a dummy load my TS-820S gives me
at absolutely max smoke exactly 220ma and 80 watts.

I guess that means that I should start looking for a pair of new
6146B's, right?

Jose Pedro Alvarez
CA3RVF
Santiago, Chile

> As for testing them, here's my method:
> SSB mode. TX into dummy load. Idle current should be 50-60 mills.
Raise idle current with the bias control momentarily to 150-200
mills. Unkey very quickly and let tubes cool for ten seconds. Key up
again, watch plate current. If it stays up there for 2-3 seconds,
unkey. You have good final or finals. Reset bias to normal.
>
> Next, tune up into dummy load for max smoke. Unkey, let it cool ten
seconds, then switch meter to ALC. Key up again in CW mode. Watch ALC
meter. If it comes up and then dives back to the left, you have a bad
DRIVER tube. If it stays up, driver is good.
>
> Now load up for max smoke. You should see at least 220mA of plate
current and 80-125 watts of output on 20M. If less plate current and
power at absolute max, one or both finals are shot. Replace both.
>
> That's it. Not a tube tester in sight, eh? hehe
>
> bill

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[Non-text portions of this message have been removed]

467. Testing

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-23 07:02:52 UTC
From: awc
Topic: 455 Message: 467

awc

[Non-text portions of this message have been removed]

468. RE:6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-23 16:58:15 UTC
From: José Pedro Alvarez C.
Topic: 468 Message: 468

Hello Bill,

As usual you were right in the spot. I still have to check the wiring on the rig, to see if it is wired for 220 or 240 volts, but the voltage in my house is lower than expected. The voltage should be 220 volts, but in the winter at nights when the demand goes up the voltage drops to 202 to 208.

I have voltage regulator that I'm currently using to connect my home PC and 17 inch monitor. I'll remove the monitor and run the TS-820 through it as soon as I can make a proper cable, as the output plug in the regulator is the female triangular computer tipe (dont know the proper name). That way I will assure a clean, stable 220 volts to the radio.

The plate current and RF don't decrease or jump in the meter in the rig, but in cw mode the power meter on the AT-230 will jump to 100 watts and then inmediatly fall back to 80 watts.

Jos? Pedro

Date: Wed, 21 May 2003 20:51:40 -0700 (PDT)
From: Bill <coorsbill@...>
Subject: Re: Re: 6146b

Maybe not... does the plate current or output power start to decrease after a few seconds of transmit at this level? If not, it could just be low line voltage at your house. Check with a good meter. The radio may be wired for 120vac or 240, what is your line voltage read?

73,

Bill

469. Re: [TS-520_820_530_830] RE:6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-23 20:35:36 UTC
From: Bill
Topic: 468 Message: 469

Jose,
The plate current and RF output on the rig should coincide with the AT unit indication, I would think.

bill

"Jos?_Pedro_Alvarez_C." <josepedro@...> wrote:
Hello Bill,

As usual you were right in the spot. I still have to check the wiring on the rig, to see if it is wired for 220 or 240 volts, but the voltage in my house is lower than expected. The voltage should be 220 volts, but in the winter at nights when the demand goes up the voltage drops to 202 to 208.

I have voltage regulator that I'm currently using to connect my home PC and 17 inch monitor. I'll remove the monitor and run the TS-820 through it as soon as I can make a proper cable, as the output plug in the regulator is the female triangular computer tipe (dont know the proper name). That way I will assure a clean, stable 220 volts to the radio.

The plate current and RF don't decrease or jump in the meter in the rig, but in cw mode the power meter on the AT-230 will jump to 100 watts and then inmediatly fall back to 80 watts.

Jos? Pedro

Date: Wed, 21 May 2003 20:51:40 -0700 (PDT)
From: Bill <coorsbill@...>
Subject: Re: Re: 6146b

Maybe not... does the plate current or output power start to decrease after a few seconds of transmit at this level? If not, it could just be low line voltage at your house. Check with a good meter. The radio may be wired for 120vac or 240, what is your line voltage read?

73,

Bill

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[Non-text portions of this message have been removed]

470. 60M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-24 14:23:45 UTC
From: Bill Leahy
Topic: 470 Message: 470

I have started a new group for 60 meters!

http://groups.yahoo.com/group/60m/

Membership is moderated so allow time for me to approve your application.

73 and enjoy!

Bill K0ZL

471. Re: RE:6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-25 13:03:55 UTC
From: Jose Pedro Alvarez Cantwell
Topic: 468 Message: 471

Bill,

Once I wired the radio to go through the voltage regulator the output power jumped to 115 watts.

Thank you again for your help.

Jos? Pedro

Date: Fri, 23 May 2003 13:35:36 -0700 (PDT)
From: Bill <coorsbill@...>
Subject: Re: RE:6146B

Jose,
The plate current and RF output on the rig should coincide with the AT unit indication, I would think.

bill

472. What is the mic connector and pinout for the TS-830S?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-29 02:56:53 UTC
From: w8nflists
Topic: 472 Message: 472

Hi all,

I have to build some interface cables for Field Day for the club's TS-830S rigs. But I won't get my hands on the rigs until Field Day! So I need to know what it uses as a mic connector (4 pin Import standard? Or 8 pin? Or something else?), and what the pinout is. The immediate need is just the type of connector, so I can get them ordered. Pinout can come later.

I have a TS-850SAT, but I think it uses a different mic connector - it's 8 pins, as it has up/down buttons on the mic, and I don't think the '830 does.

TIA!

73,

Dave W8NF

473. Test.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-29 07:33:06 UTC
From: awc
Topic: 473 Message: 473

awc

[Non-text portions of this message have been removed]

474. tuning TS 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-29 11:38:49 UTC
From: David Dikun
Topic: 474 Message: 474

Hi All, I need some help in learning how to tune the TS-830s. I have the rig running to a MFJ 1788 loop. I 'm not quite sure on the procedure of tuning this rig, especially on phone operation. My antenna tunner has no dummy load. Do I tune the antenna first and then the rig? Or the other way around? Do i use CW to tune for phone? Please help Thanks

Dave
KC2AQN
Linden, NJ

_____
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475. Re: [TS-520_820_530_830] What is the mic connector and pinout for the TS-830S?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-29 13:47:18 UTC
From: Scott Jacobsen
Topic: 472 Message: 475

Mine is a 4-pin--I don't think there are any other pin controls from the mic.

----- Original Message -----
From: "w8nflists" <w8nflists@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, May 28, 2003 10:56 PM
Subject: [TS-520_820_530_830] What is the mic connector and pinout for the TS-830S?

> Hi all,
>
> I have to build some interface cables for Field Day for the club's
> TS-830S rigs. But I won't get my hands on the rigs until Field
> Day! So I need to know what it uses as a mic connector (4 pin
> Import standard? Or 8 pin? Or something else?), and what the
> pinout is. The immediate need is just the type of connector, so I
> can get them ordered. Pinout can come later.
>
> I have a TS-850SAT, but I think it uses a different mic connector -
> it's 8 pins, as it has up/down buttons on the mic, and I don't think
> the '830 does.
>
> TIA!
>
> 73,
>
> Dave W8NF
>
>
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>

476. Re: [TS-520_820_530_830] What is the mic connector and pinout for the TS-830S?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-30 01:48:00 UTC
From: Gary & Carrie Meyer
Topic: 472 Message: 476

Scott

My 530s has a four pin mike connector. I can make you a copy of the page in the book and send it to you by e-mail, if that would help.

KCØNPJ Gary

[Non-text portions of this message have been removed]

477. HELP ? Freq. Display wrong readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-30 17:08:08 UTC
From: Lee McDaniel
Topic: 477 Message: 477

Hello all,

Has anyone every seen the problem where the freq display goes to 13.500 on sat 20 meters but the radio transmits fine and receives fine but you can not see your freq. All bands do the same. Turn radio off leave 10 min back on its OK for about 10 min then the same thing all over again. I plug in the remote VFO and it does the same thing, main radio display sets at 13.500 (20 meters) and never changes. 40 is like 6.500 and so on.

Iam going to pop the lid and check all connections on the display board but if that does not do it, I will have to re-think.

ANY IDEAS, or has anyone ever seen this.

Thanks Lee wb4qoj

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[Non-text portions of this message have been removed]

478. Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-31 02:07:57 UTC
From: Filmhog
Topic: 478 Message: 478

I have an TS-830s that has no output on 40m, 15m and 10. I replaced the coupler so the shaft is secure on the band dial. I have resoldered the connections to the driver tube. I do have alc meter readings when cw is set and on operational bands.
What is next to try. In my messing with the band switch, I randomly got the bands to work and 10m is not working now since I put the new coupler on the shaft.
1. is the setting that critical for the mating of the band switch shafts?
2. I had sporadic output on the 15 and 40 after using contact spray and then it went away.???
What would be my next check? Could I have the shaft in 180 degrees? I didn't do that but received this radio with the no xmit problem on 15 and 40. Like I said, 10 just went away after my coupler "repair".
Thanks for any help. (thanks to Bill also for the fixes)
Jan N6YV

479. Re: [TS-520_820_530_830] Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-31 03:15:19 UTC
From: Bill
Topic: 478 Message: 479

Given that the problem got worse with the coupler change, I really think that at least on ten meters that the bandswitch is part of the problem. Check for bad solder joints around the switch.

If the switch were 180 out, 160 and 80 probably would not work.

bill

Filmhog <filmhog@...> wrote:
I have an TS-830s that has no output on 40m, 15m and 10. I replaced the coupler so the shaft is secure on the band dial. I have resoldered the connections to the driver tube. I do have alc meter readings when cw is set and on operational bands.
What is next to try. In my messing with the band switch, I randomly got the bands to work and 10m is not working now since I put the new coupler on the shaft.
1. is the setting that critical for the mating of the band switch shafts?
2. I had sporadic output on the 15 and 40 after using contact spray and then it went away.???
What would be my next check? Could I have the shaft in 180 degrees? I didn't do that but received this radio with the no xmit problem on 15 and 40. Like I said, 10 just went away after my coupler "repair".
Thanks for any help. (thanks to Bill also for the fixes)
Jan N6YV

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[Non-text portions of this message have been removed]

480. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-31 05:28:09 UTC
From: Alan W.
Topic: 478 Message: 480

The only puzzling problem I had on my TS-830 was caused by dirty contacts. Try giving the band switch a good cleaning with contact cleaner move the switch around a bit. Do the other switches too, and the pots too as long as you have it open. Cured all my rig's problems except one that I caused myself (!)--and I know how to undo that one the next time I have it open.

Alan

481. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-31 19:05:33 UTC
From: Filmhog
Topic: 478 Message: 481

Thanks for the input Alan,
Should I use De Ox or contact cleaner. Also, the band switches
forward on the shaft and outside of the PA cage--should they be
cleaned and what do they do regarding switching???
thanks
Jan N6YV

--- In TS-520_820_530_830@yahoogroups.com, "Alan W." <awkbiss@e...>
wrote:
> The only puzzling problem I had on my TS-830 was caused by dirty
contacts.
> Try giving the band switch a good cleaning with contact cleaner
move the
> switch around a bit. Do the other switches too, and the pots too
as long as
> you have it open. Cured all my rig's problems except one that I
caused
> myself (!)--and I know how to undo that one the next time I have it
open.
>
> Alan

482. Re: [TS-520_820_530_830] Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-05-31 20:53:32 UTC
From: r tg
Topic: 478 Message: 482

I know this may start some opinionated discussions but.....

I use WD-40 as a contact cleaner and lub. It works great and have never had to "reclean" after using it once. The key is to keep the amount to an absolute minimum. Wipe up any excess sprayed.

I have not seen any "gumming" effects from using it. I have used in my MFJ roller inductor tuners, my 820s, FT-101s, and the 830s. I use it on SPST switches ect., pots, and waffer switches as well. No negative side effects to date. I have been using it for several years now.

Good Luck,

Rob

Filmhog <filmhog@...> wrote:
Thanks for the input Alan,
Should I use De Ox or contact cleaner. Also, the band switches
forward on the shaft and outside of the PA cage--should they be
cleaned and what do they do regarding switching???
thanks
Jan N6YV

--- In TS-520_820_530_830@yahoogroups.com, "Alan W." <awkbiss@e...>
wrote:
> The only puzzling problem I had on my TS-830 was caused by dirty
contacts.
> Try giving the band switch a good cleaning with contact cleaner
move the
> switch around a bit. Do the other switches too, and the pots too
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> you have it open. Cured all my rig's problems except one that I
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> myself (!)--and I know how to undo that one the next time I have it
open.
>
> Alan

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483. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-01 06:44:05 UTC
From: Alan W.
Topic: 478 Message: 483

> Should I use De Ox or contact cleaner.
> ... the band switches
> forward on the shaft and outside of the PA cage--should they be
> cleaned and what do they do regarding switching???

I always use contact cleaner since it leaves no residue. Don't know about De-Ox.

I haven't used WD-40, but would be concerned about oily residue and its tendency to collect dust. The fellow who recommended it said he uses very small amounts

You can spray any or all switch contacts and pots. But: NEVER NEVER NEVER get spray on the variable capacitors.

Alan

484. Re: [TS-520_820_530_830] Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-01 20:27:56 UTC
From: Bill
Topic: 478 Message: 484

Alan and gang,

I use Cailube for all my switch and contact cleaning needs. Seems like once you use that stuff, you never have to go back again with it.

I don't like spraying switch wafers as they can absorb the liquid and swell up, and this stuff doesn't go away.. not like water or alcohol... Can seize the switch wafer, from which there is no return. Instead, get some foam swaps, as for cleaning video or tape heads; soak the swab in the solution and then dab it on the metal parts only, as much as possible avoiding contact with the phenolic wafer material. Werks fer me!

Spray into carbon controls, no problem... i use small pieces of rag or soft paper towelling to catch overspray and drips, then another foam swab to mop up any thing i missed. Why have a goopy oily radio after trying so hard to fix it? hi

73

bill

"Alan W." <awkbiss@...> wrote:
> Should I use De Ox or contact cleaner.
> ... the band switches
> forward on the shaft and outside of the PA cage--should they be
> cleaned and what do they do regarding switching???

I always use contact cleaner since it leaves no residue. Don't know about
De-Ox.

I haven't used WD-40, but would be concerned about oily residue and its
tendency to collect dust. The fellow who recommended it said he uses very
small amounts

You can spray any or all switch contacts and pots. But: NEVER NEVER NEVER
get spray on the variable capacitors.

Alan

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485. Re: [TS-520_820_530_830] Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-01 23:38:02 UTC
From: r tg
Topic: 478 Message: 485

One of the positives I have found with WD-40 is that it gives a lubricating effect to swithces and pot that is why I only have to treat them once.

At least that is my experience.....

Rob

"Alan W." <awkbiss@...> wrote:
> Should I use De Ox or contact cleaner.
> ... the band switches
> forward on the shaft and outside of the PA cage--should they be
> cleaned and what do they do regarding switching???

I always use contact cleaner since it leaves no residue. Don't know about De-Ox.

I haven't used WD-40, but would be concerned about oily residue and its tendency to collect dust. The fellow who recommended it said he uses very small amounts

You can spray any or all switch contacts and pots. But: NEVER NEVER NEVER get spray on the variable capacitors.

Alan

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[Non-text portions of this message have been removed]

486. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 15:06:13 UTC
From: rsakabu
Topic: 478 Message: 486

I think I wrote about this in the past, but did you try gently rebending the contacts on each wafer to make sure you get good contact between the rotary part and the crimped part? Try it on a single known "bad" or intermittant band first. Check each wafer and note the contact closures on each wafer and each band, then move the bandswitch and watch to see if each contact moves up as the switch slides under it.

Also, there is another thing that happens and that is electrolysis between the dissimilar metals of the contact and the rivet. If you live in an area prone to humidity, then that is also a possibility. The fix for that is a very small drop of conductive paint applied to where the contact meets the rivet. I bought some paint which is used to touch up PCB traces (some Fry's carry it), but I've heard that the silver paint used in model railroading works just as well.

The combination of both made my "half-working" 830S to become a fully functional 830S.

Good luck,
Roy
AD6ZU

487. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 15:58:57 UTC
From: Filmhog
Topic: 478 Message: 487

Thanks for the tip Roy,
I will go get some of that trace paint. A Fry's is close. When I go into the PA cage, the three band switches are quite close. How do I know which bands switch to concentrate on for the various bands. Or, is there documentation available that is a roadmap to which bandswitch does what. I am concentrating only on the what appears to be, three bands switches.
Thanks
Jan N6YV

--- In TS-520_820_530_830@yahoogroups.com, "rsakabu" <rsakabu@p...> wrote:
> I think I wrote about this in the past, but did you try gently
> rebending the contacts on each wafer to make sure you get good contact
> between the rotary part and the crimped part? Try it on a single
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> silver paint used in model railroading works just as well.
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> The combination of both made my "half-working" 830S to become a fully
> functional 830S.
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> Good luck,
> Roy
> AD6ZU

488. Re: Continued sporadic output on 830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 17:53:32 UTC
From: rsakabu
Topic: 478 Message: 488

--- In TS-520_820_530_830@yahoogroups.com, "Filmhog" <filmhog@y...> wrote:
> Thanks for the tip Roy,
> I will go get some of that trace paint. A Fry's is close. When I go
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> is there documentation available that is a roadmap to which
> bandswitch does what. I am concentrating only on the what appears to
> be, three bands switches.
> Thanks
> Jan N6YV
>

The band switch pc boards that I fiddled with were the ones OUTSIDE
the PA cage. I needed a good penlight and strained my neck to look
down in between the switch boards to see which ones were engaged on
whatever bands were acting up.

In my case it was several bands above 20 meters, especially 17, and 10
meters, but 40 was sometimes intermittant. So for 17 meters, I would
switch between 20m and 17m and see which contacts were being engaged.
Those were the contacts I "fixed".

Roy
AD6ZU

489. Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 19:19:02 UTC
From: va3awc
Topic: 172 Message: 489

Stopping by to say hello.
awc

490. Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 20:24:57 UTC
From: Jim
Topic: 490 Message: 490

Bill and friends,

Now that I have received the last in this round of shack purchases, let me run through what I think the correct procedure is for tuning up my new rig (an 820S) based on a read-through of some old messages on here. I begin by assuming the first attempt at tuning is done into the dummy load, correct?

1. In SSB mode, switch to send, check the bias is 60ma.

2. Change mode to tune, meter to ALC, adjust drive control for peak.

3. Meter to IP, still in tune mode, adjust the plate current to dip.

4. Mode to CW, meter to RF, key the Tx, alternately fiddle with the plate and load for maximum output.

5. Now, here is where I get a bit confused reading the past message threads. Am I to understand that the first tune-up is done with the CW carrier knob around 12 o'clock or a bit less? Then, I
crank over to full clockwise and tune again for "max smoke"? I
assume the term "max smoke" just means absolute highest CW output.

6. Disconnect the dummy load and repeat step 5 for "max smoke"
by connecting directly to the antenna, and not going through the antenna tuner circuits.

7. Finally, switch into the tuner circuits and, if necessary, adjust for minimum SWR.

If it matters, I am using a 40m dipole fed with 50 ohm coax into a balun but that is soon to be replaced by a 160m dipole fed via 450 ohm ladder line.

Am I on the right track here? How far should I let the RF meter deviate on "max smoke"? Is anything near full scale but somewhat short of a full right peg OK?

491. Re: [TS-520_820_530_830] Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 21:51:15 UTC
From: f x
Topic: 490 Message: 491

Hi Jim,

It's raining here just now, so I have a few minutes to try to help... I have an 830...

Couple of preliminary thoughts... First... EVERYONE should tune into a dummy load if at all possible... a cantenna works just fine... Secondly, start the tuning procedure with the Load Control fully counterclockwise... sharper plate dip that way...

I think the problem is in Step 2... My manual says to operate the Carrier control to put the meter at the top of the ALC window...

In step 4, I prefer to keep the meter on Ip... tune for a dip, key down in CW (note that the Send switch does not accomplish this... you must key down)... increase the load control, dip again, etc., until you have about 230-240 mA of plate current. If you then want to check Po to see if the tubes have a little more in them, by all means do so...

The next comment regards the antenna tuner... If you know that the SWR on your antenna is 3:1 or less, you can connect directly to the antenna... (some folks say 2:1)...

In setting up the antenna tuner initially, I run key down, but with the load control CCW... that way I am not stressing the finals with wierd impedances.. at least not too much... Run through all the bands you intend to operate and note the settings that give you the best match... jot them down somewhere handy... (mine are in big bold print on my bulletin board so I can see them at a glance... That is for when I am running on the G5RV...) Then, when switching bands, PRESET the antenna tuner controls at the settings recorded.. they will be close, but may need a little tweak, depending on moisture, wind, etc...

Tubes like to run heavily loaded... some actually load a little past peak plate current... (plate current begins to decline slightly...)... I usually just watch the Po on my tuner forward power meter (split needle).. and tune until I have peak power out... (Bill did the QRO mod on my 830, so my meter shows about 150 W out on all bands except 10M...) Have had no complaints on the signal at all.

For the audio on SSB, I use the monitor function and listen to myself.. I adjust Mic Gain and the compression level on the speech processor until it sounds good to me... at the moment, Mic Gain is at about 10:30, and the processor is about the same... check the comp position on your meter... (does the 820 have that??)

Well, I hope this rambling narrative is helpful... and I always stand to be corrected by the real gurus here... Learn something almost every time..

73,,

NY0Y
Raleigh

Jim <k1zc@...> wrote:
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492. Re: Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 22:35:40 UTC
From: Jim
Topic: 490 Message: 492

Raleigh,

Sorry about the rain, but thanks for the tutorial. There are lots of tricks to learn, but this site seems to have a lot of friendly Elmer types and for that I am very grateful. A few follow-up questions:

- Maybe there is a difference between the 830 and the 820, but for step 2 my book clearly says to peak the meter with the DRIVE control. Perhaps another 820 owner can comment.

- I understand the part about building a cheat sheet for antenna tuning; I think I will leave that until my 160m G5RV is up. However, what is the definition of "best match". I have an MFJ cross needle, and the "best match" when measured in SWR is not necessarily a nice peak on the power out. Is is safe to peak the forward power and forget about the reflected so long as I am below 3:1? My dipole is cut for 40m but even then I do not get much lower than 3:1 over much of the range. Granted, I am tuning up a phone segment and the dipole was built for a CW rig but I was trying to tune 7.160 which isn't that far out of CW land.

- As for the 820, yes it has a Comp scale on the meter. What kind of reading should I be shooting for?

Don't worry about being corrected by the gurus here since you don't have to know much to keep ahead of me. We all learn something every time we connect to the Internet. Thanks for taking the time to reply.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
> Hi Jim,
>
> It's raining here just now, so I have a few minutes to try to help... I have an 830...
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> Couple of preliminary thoughts... First... EVERYONE should tune into a dummy load if at all possible... a cantenna works just fine... Secondly, start the tuning procedure with the Load Control fully counterclockwise... sharper plate dip that way...
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> I think the problem is in Step 2... My manual says to operate the Carrier control to put the meter at the top of the ALC window...

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> In step 4, I prefer to keep the meter on Ip... tune for a dip, key down in CW (note that the Send switch does not accomplish this... you must key down)... increase the load control, dip again, etc., until you have about 230-240 mA of plate current. If you then want to check Po to see if the tubes have a little more in them, by all means do so...
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> 73,,
>
> NY0Y
> Raleigh
>
> Jim <k1zc@a...> wrote:
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> [Non-text portions of this message have been removed]

493. Re: [TS-520_820_530_830] Re: Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-02 23:12:54 UTC
From: f x
Topic: 490 Message: 493

Hi Jim,

The drive control should be pretty broad in its tuning... I usually get mine close enough just by listening first and peaking the incoming sigs with the Drive Control... but I always touch it up to make sure...

Gotta be a little careful with the SWR data... with high SWR, your meter is probably reading both the forward and reverse power in summation... Best match is MINIMUM SWR... But, if you look at it...200 W forward and 2:1 SWR is 20 watts reflected... or 10%... scale for 100 W... so at 2:1 you lose 10 W... no big deal really... but purists will go the the lowest SWR or 'flat match'.... but that does not tell you what the conditions are on the feedline... only what the conditions are on the line going to the transmitter... When you get your 450 line installed, it may run at quite high SWRs... and even be a substantial portion of the radiation... depending on various lengths and frequency combinations... I have even had my little standard G5RV (actually a 20 meter extended double zepp...) loaded up on Top Band... and worked a couple of stations on it... not good, but possible... think it was operating then as a top loaded vertical... hehe

You did not say how high your dipole was... the feedpoint impedance changes with height above ground and the nature of the ground... It can be 100 or more Ohms or 30 Ohms.. and you are feeding it with 50 Ohm line... so, you have a guaranteed mismatch to some degree... The impedance of a dipole in free space is about 72 Ohms... and lots of folks feed them with 75 Ohm line... The transmitter Pi Network output can generally acommodate the difference...

Again, if you want flat to the transmitter...just run your tuner in line all the time... then you will be flat across the band... I use a Bobtail Curtain... three vertical elements in phase, fed at the voltage point.. .(i.e. the end closest to the ground...).. It looks like a capital letter E rotated 90 degrees clockwise... fed on the middle prong via a tank circuit.. nifty antenna with 4.8 dB gain and very low radiation angles... have one for 40 and one for 20... use verticals for 15-10... and dreaming up a full size vertical for 80 for the wintertime... maybe I should top load it and try for 160 as well... will be 67 feet tall...

My bobtails are both cut about 150 kHz up from the bottom of the band... and the SWR on them is less than 1.5:1 across the whole band..

I am also a nut about grounding... I think it makes any antenna work better... I have 4 eight foot ground rods... spaced about 40 feet apart, and connect with some old #8 copper I found laying around... that takes care of the DC part... for the RF ground, I use chicken wire... as much as I can lay down... scalp the lawn first, use lawn pins to stake it down, and wait for the grass to grow up through it... then just mow normally... but not to short... at the moment, I only have about 1000 sq.ft. of chicken wire down... but at an auction recently, I bought about two miles of copper wire... think it is steel with copper cladding... some #8 and some about #18... gonna use those for radials for my 80 m vertical and of course it will be tied to the whole RF ground scheme... very important if you are

going to work 160...

On the Comp... my rememberance is that it is not supposed to go over the ALC box on peaks... will have to dig out my manual and check...

73

Raleigh
NY0Y

Jim <k1zc@...> wrote:
Raleigh,

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[Non-text portions of this message have been removed]

494. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 02:23:23 UTC
From: Bill
Topic: 172 Message: 494

Don't be shy, tell us about yourself and your shack!

73

Bill K0ZL

va3awc <awc@...> wrote:
Stopping by to say hello.
awc

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[Non-text portions of this message have been removed]

495. Re: [TS-520_820_530_830] Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 02:31:01 UTC
From: Bill
Topic: 490 Message: 495

On ALC, when peaking the drive, you may have to reduce the carrier control to keep it on-scale for proper tuning. After that, it's MAX SMOKE BABY.

I would do the MAX SMOKE tuning into the antenna; since you are going to have to do it anyway, why put excess wear on the finals?

Other than that, you got it down. Care to polish it and post it in the FILES section? hehe

You ask a question, we put ya to work!

bill

Jim <k1zc@...> wrote:
Bill and friends,

Now that I have received the last in this round of shack purchases, let me run through what I think the correct procedure is for tuning up my new rig (an 820S) based on a read-through of some old messages on here. I begin by assuming the first attempt at tuning is done into the dummy load, correct?

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[Non-text portions of this message have been removed]

496. Re: [TS-520_820_530_830] Tuning with a tuner in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 02:34:51 UTC
From: Bill
Topic: 490 Message: 496

Jim and group,
Raleigh's method will work just fine, too. As in math, there are "many ways to get the right answer".

bill

f x <dawnlight1491@...> wrote:
Hi Jim,

It's raining here just now, so I have a few minutes to try to help... I have an 830...

Couple of preliminary thoughts... First... EVERYONE should tune into a dummy load if at all possible... a cantenna works just fine... Secondly, start the tuning procedure with the Load Control fully counterclockwise... sharper plate dip that way...

...

see our website www.amateur-repairs.com

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[Non-text portions of this message have been removed]

497. Re: Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 12:49:33 UTC
From: Jim
Topic: 490 Message: 497

Raleigh,

Thanks for the clarifications. I hear ya about grounding, but I only have the one line into a buried ground stake. While that is not ideal, I have a unique house that makes for some interesting challenges.

I didn't say how high the dipole is because I am not sure how high the new one will be (the old one is much too low to accomplish much of anything). I live in a heavily wooded lot near Lake Michigan with the house at one level, and 70% of my property is in a ravine. The bottom of the ravine is maybe 70 feet below the grade where the house is located, but there are plenty of 150 foot oak trees all around. The drop from the house is STEEP, in some cases it is straight down!

So, if my friend is as good with his crossbow as he says he is, the dipole will be maybe 40-50 feet above house grade, but more like 110-120 feet above the ravine floor. I am hoping the steep slope will give me a nice low takeoff angle since I have unobstructed shot to the NE out over the lake. The ladder line will not drop straight down, which I know would be ideal, but it will come as sort of a 45 degree angle towards the house. I don't think anybody can figure out what the reflections and uneven ground are going to do to the radiation pattern and feedpoint impedance by just looking at this site. Time for a little experimentation - I am just going to get it up as high as possible and deal with the consequences.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
> Hi Jim,
>
> The drive control should be pretty broad in its tuning... I usually get mine close enough just by listening first and peaking the incoming sigs with the Drive Control... but I always touch it up to make sure...
>
> Gotta be a little careful with the SWR data... with high SWR, your meter is probably reading both the forward and reverse power in summation... Best match is MINIMUM SWR... But, if you look at it...200 W forward and 2:1 SWR is 20 watts reflected... or 10%... scale for 100 W... so at 2:1 you lose 10 W... no big deal really... but purists will go the the lowest SWR or 'flat match'.... but that

does not tell you what the conditions are on the feedline... only what the conditions are on the line going to the transmitter... When you get your 450 line installed, it may run at quite high SWRs... and even be a substantial portion of the radiation... depending on various lengths and frequency combinations... I have even had my little standard G5RV (actually a 20 meter extended double zepp...) loaded up on Top Band... and worked a couple of stations on it... not good, but possible... think it was operating then as a top loaded vertical... hehe
>
> You did not say how high your dipole was... the feedpoint impedance changes with height above ground and the nature of the ground... It can be 100 or more Ohms or 30 Ohms.. and you are feeding it with 50 Ohm line... so, you have a guaranteed mismatch to some degree... The impedance of a dipole in free space is about 72 Ohms... and lots of folks feed them with 75 Ohm line... The transmitter Pi Network output can generally acommodate the difference...
>
> Again, if you want flat to the transmitter...just run your tuner in line all the time... then you will be flat across the band... I use a Bobtail Curtain... three vertical elements in phase, fed at the voltage point.. .(i.e. the end closest to the ground...).. It looks like a capital letter E rotated 90 degrees clockwise... fed on the middle prong via a tank circuit.. nifty antenna with 4.8 dB gain and very low radiation angles... have one for 40 and one for 20... use verticals for 15-10... and dreaming up a full size vertical for 80 for the wintertime... maybe I should top load it and try for 160 as well... will be 67 feet tall...
>
> My bobtails are both cut about 150 kHz up from the bottom of the band... and the SWR on them is less than 1.5:1 across the whole band..
>
> I am also a nut about grounding... I think it makes any antenna work better... I have 4 eight foot ground rods... spaced about 40 feet apart, and connect with some old #8 copper I found laying around... that takes care of the DC part... for the RF ground, I use chicken wire... as much as I can lay down... scalp the lawn first, use lawn pins to stake it down, and wait for the grass to grow up through it... then just mow normally... but not to short... at the moment, I only have about 1000 sq.ft. of chicken wire down... but at an auction recently, I bought about two miles of copper wire... think it is steel with copper cladding... some #8 and some about #18... gonna use those for radials for my 80 m vertical and of course it will be tied to the whole RF ground scheme... very important if you are going to work 160...
>
> On the Comp... my rememberance is that it is not supposed to go over the ALC box on peaks... will have to dig out my manual and

check...

498. Re: [TS-520_820_530_830] Re: Tuning with a tuenr in-line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 15:50:13 UTC
From: f x
Topic: 490 Message: 498

Hi Jim and thanks for the clarification...

Sounds like a real nice spot.. On the crossbow... be sure you have plenty of line on the bolt... I tried it here, but had not enough line...
If the soil is rocky, think seriously about the chicken wire screen... you will need the good ground to work against...

As to height... well, my G5RV (or whatever it is) is only at about 30 feet at the apex and the ends are about 14 feet... and in the DX contest I worked well over 100 countries... so so works sometimes... but you are right... the higher the better...

Also, if your dipole is cut for 160... or about 133 feet per leg... on the higher bands, it will be multiple wavelengths long... you will start to see lobes at 35-50 degrees off the axis of the antenna, instead of the normal broadside radiation... sounds like fun...

Good luck, and I hope to hear you on sometime...

73

NYOY

Jim <k1zc@...> wrote:
Raleigh,

Thanks for the clarifications. I hear ya about grounding, but I
only have the one line into a buried ground stake. While that is
not ideal, I have a unique house that makes for some interesting
challenges.

I didn't say how high the dipole is because I am not sure how high
the new one will be (the old one is much too low to accomplish much
of anything). I live in a heavily wooded lot near Lake Michigan
with the house at one level, and 70% of my property is in a ravine.
The bottom of the ravine is maybe 70 feet below the grade where the
house is located, but there are plenty of 150 foot oak trees all
around. The drop from the house is STEEP, in some cases it is
straight down!

So, if my friend is as good with his crossbow as he says he is, the
dipole will be maybe 40-50 feet above house grade, but more like 110-
120 feet above the ravine floor. I am hoping the steep slope will
give me a nice low takeoff angle since I have unobstructed shot to
the NE out over the lake. The ladder line will not drop straight
down, which I know would be ideal, but it will come as sort of a 45
degree angle towards the house. I don't think anybody can figure
out what the reflections and uneven ground are going to do to the
radiation pattern and feedpoint impedance by just looking at this

site. Time for a little experimentation - I am just going to get it up as high as possible and deal with the consequences.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
> Hi Jim,
>
> The drive control should be pretty broad in its tuning... I usually get mine close enough just by listening first and peaking the incoming sigs with the Drive Control... but I always touch it up to make sure...
>
> Gotta be a little careful with the SWR data... with high SWR, your meter is probably reading both the forward and reverse power in summation... Best match is MINIMUM SWR... But, if you look at it...200 W forward and 2:1 SWR is 20 watts reflected... or 10%... scale for 100 W... so at 2:1 you lose 10 W... no big deal really... but purists will go the the lowest SWR or 'flat match'.... but that does not tell you what the conditions are on the feedline... only what the conditions are on the line going to the transmitter... When you get your 450 line installed, it may run at quite high SWRs... and even be a substantial portion of the radiation... depending on various lengths and frequency combinations... I have even had my little standard G5RV (actually a 20 meter extended double zepp...) loaded up on Top Band... and worked a couple of stations on it... not good, but possible... think it was operating then as a top loaded vertical... hehe
>
> You did not say how high your dipole was... the feedpoint impedance changes with height above ground and the nature of the ground... It can be 100 or more Ohms or 30 Ohms.. and you are feeding it with 50 Ohm line... so, you have a guaranteed mismatch to some degree... The impedance of a dipole in free space is about 72 Ohms... and lots of folks feed them with 75 Ohm line... The transmitter Pi Network output can generally acommodate the difference...
>
> Again, if you want flat to the transmitter...just run your tuner in line all the time... then you will be flat across the band... I use a Bobtail Curtain... three vertical elements in phase, fed at the voltage point.. .(i.e. the end closest to the ground...).. It looks like a capital letter E rotated 90 degrees clockwise... fed on the middle prong via a tank circuit.. nifty antenna with 4.8 dB gain and very low radiation angles... have one for 40 and one for 20... use verticals for 15-10... and dreaming up a full size vertical for 80 for the wintertime... maybe I should top load it and try for 160 as well... will be 67 feet tall...
>

> My bobtails are both cut about 150 kHz up from the bottom of the band... and the SWR on them is less than 1.5:1 across the whole band..
>
> I am also a nut about grounding... I think it makes any antenna work better... I have 4 eight foot ground rods... spaced about 40 feet apart, and connect with some old #8 copper I found laying around... that takes care of the DC part... for the RF ground, I use chicken wire... as much as I can lay down... scalp the lawn first, use lawn pins to stake it down, and wait for the grass to grow up through it... then just mow normally... but not to short... at the moment, I only have about 1000 sq.ft. of chicken wire down... but at an auction recently, I bought about two miles of copper wire... think it is steel with copper cladding... some #8 and some about #18... gonna use those for radials for my 80 m vertical and of course it will be tied to the whole RF ground scheme... very important if you are going to work 160...
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> On the Comp... my rememberance is that it is not supposed to go over the ALC box on peaks... will have to dig out my manual and check...

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499. Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 18:37:55 UTC
From: va3awc
Topic: 172 Message: 499

Hello Bill and the group,not alot to say realy,i been having my emails bouncing,thats why i sent out a email to see if it was working.My radio setup here is for HF,FT-101E,TS-520 and a ant tuner for my end feed long wire.My 2meters radios are icom 271A all mode and my little Alinco DJ191.I have one project radio at this time that i got to get fix someday,its a TS-510.

va3awc

500. How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 16:45:33 UTC
From: Peter Weinzettl
Topic: 500 Message: 500

NYOY wrote:
> Good luck, and I hope to hear you on sometime...

Hey all,

I realize the bands are pretty sparadic lately and everyone's shedules are probably very different ,but it may be a great help to alot of us (not to mention probably alot of fun) to set up a semi-regular time/frequency where we could possibly meet up on the air. Any takers? We could rotate Net Controllers etc. Just a thought anyways.

73's
Pete
VE3BHP@...

501. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-03 22:57:02 UTC
From: f x
Topic: 500 Message: 501

Peter,

Sure, count me in...

NY0Y
Raleigh

Peter Weinzettl <inmotion@...> wrote:
NYOY wrote:
> Good luck, and I hope to hear you on sometime...

Hey all,

I realize the bands are pretty sparadic lately and everyone's shedules are probably very different ,but it may be a great help to alot of us (not to mention probably alot of fun) to set up a semi-regular time/frequency where we could possibly meet up on the air. Any takers? We could rotate Net Controllers etc. Just a thought anyways.

73's
Pete
VE3BHP@...

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[Non-text portions of this message have been removed]

502. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 13:59:08 UTC
From: Gary & Carrie Meyer
Topic: 500 Message: 502

Pete,

Name a time and frequency and I will try to be there. I think this is a good idea. Just an informal net. Sounds like fun.

KCØNPJ Gary

[Non-text portions of this message have been removed]

503. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 13:35:00 UTC
From: Bill
Topic: 172 Message: 503

The '510 is a rare one! I can't even picture that one...

bill

va3awc <awc@...> wrote:
Hello Bill and the group,not alot to say realy,i been having my
emails bouncing,thats why i sent out a email to see if it was
working.My radio setup here is for HF,FT-101E,TS-520 and a ant tuner
for my end feed long wire.My 2meters radios are icom 271A all mode
and my little Alinco DJ191.I have one project radio at this time that
i got to get fix someday,its a TS-510.

va3awc

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[Non-text portions of this message have been removed]

504. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 14:05:45 UTC
From: Robert Mackie
Topic: 500 Message: 504

This sounds good to me too! N0CDY/7 Bob Mackie --- On Wed 06/04, Gary & Carrie Meyer < meyer@... > wrote: From: Gary & Carrie Meyer [mailto: meyer@...] To: TS-520_820_530_830@yahoogroups.com Date: Wed, 4 Jun 2003 06:59:08 -0700 Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime? Pete,

Name a time and frequency and I will try to be there. I think this is a good idea. Just an informal net. Sounds like fun.

KC?NPJ Gary

[Non-text portions of this message have been removed]

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505. Re: How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 14:23:31 UTC
From: Jim
Topic: 500 Message: 505

Yeah, about time somebody gave those Collins-net guys some
competition. Count me in as soon as I get my new antenna up.

73 to all
Jim

--- In TS-520_820_530_830@yahoogroups.com, "Peter Weinzettl"
<inmotion@t...> wrote:
> NYOY wrote:
> > Good luck, and I hope to hear you on sometime...
>
>
> Hey all,
>
> I realize the bands are pretty sparadic lately and everyone's
shedules are
> probably very different ,but it may be a great help to alot of us
(not to
> mention probably alot of fun) to set up a semi-regular
time/frequency where
> we could possibly meet up on the air. Any takers? We could
rotate Net
> Controllers etc. Just a thought anyways.
>
> 73's
> Pete
> VE3BHP@r...

506. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 16:31:19 UTC
From: TCN
Topic: 500 Message: 506

OK, seems we need a volunteer for net control. I vote for Bill!! hi hi

Also, it'll be nice to hear that "wonderful Kenwood audio" that everyone keeps telling me about.

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 9:59 AM
Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?

> Pete,
>
> Name a time and frequency and I will try to be there. I think this is a good idea. Just an informal net. Sounds like fun.
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
>
>
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>
>

507. Re[2]: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 18:45:19 UTC
From: radionut
Topic: 500 Message: 507

---> My reply to what TCN wrote 6/4/2003 11:31:19 AM

I vote for Bill too! Actually a informal net would be fun. I don't know how often my schedule would allow me to join in but I sure would be interested when I can.

Mike KU4ZD

---------- Original Message ----------

OK, seems we need a volunteer for net control. I vote for Bill!! hi hi

Also, it'll be nice to hear that "wonderful Kenwood audio" that everyone keeps telling me about.

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 9:59 AM
Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?

> Pete,
>
> Name a time and frequency and I will try to be there. I think this is a good idea. Just an informal net. Sounds like fun.
>
> KCØNPJ Gary
>
> [Non-text portions of this message have been removed]
>
>
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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

508. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 22:15:57 UTC
From: Gary & Carrie Meyer
Topic: 508 Message: 508

Gentlemen,
I was trying to do some C W work with my ts530 this afternoon. I was keying the 530 with an MFJ422b keyer. At one point the dash maker would no longer work, the dits seemed to be ok. as soon as I powered down the radio it was ok again. Either the keyer will not handle the 530 or could I be getting rf into the keyer. Any suggestions?

KCØNPJ Gary

[Non-text portions of this message have been removed]

509. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 20:53:09 UTC
From: f x
Topic: 500 Message: 509

Hi Group...

Well, we need a survey...

Time: Early Morning, Mid Morning, Noon, mid Afternoon, Early evening, late evening...
Frequency: Montly, Bi-monthly, Weekly, Daily
Band: 80, 40, 20, other (choice of op freq.)
Mode: SSB, CW, Other
Day of the week: Weekday choice, Saturday, Sunday.

My votes are:... Early Saturday mornings, 40 or 20, SSB, Bi-monthly,

for what it's worth..

73

Raleigh
NY0Y

TCN <inmotion@...> wrote:
OK, seems we need a volunteer for net control. I vote for Bill!! hi hi

Also, it'll be nice to hear that "wonderful Kenwood audio" that everyone
keeps telling me about.

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 9:59 AM
Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?

> Pete,
>
> Name a time and frequency and I will try to be there. I think this
is a good idea. Just an informal net. Sounds like fun.
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
>
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[Non-text portions of this message have been removed]

510. Re: How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 22:01:33 UTC
From: Jim
Topic: 500 Message: 510

Frequency: Bi-monthly.
Band: 20, 40, 80 preferred in that order.
Mode: SSB, unless you are prepared to listen to a constant stream
of "QRS" from a certain station in the Midwest.
Day: Saturday 9:00 Central (14:00 Zulu) works for me, but maybe a
little early for the West Coast folks. Second choice is evening,
say 8:00 or 9:00 Central (01:00-02:00 Zulu), any night but Thursday.

73,
Jim
K1ZC
--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...>
wrote:
> Hi Group...
>
> Well, we need a survey...
>
> Time: Early Morning, Mid Morning, Noon, mid Afternoon, Early
evening, late evening...
> Frequency: Montly, Bi-monthly, Weekly, Daily
> Band: 80, 40, 20, other (choice of op freq.)
> Mode: SSB, CW, Other
> Day of the week: Weekday choice, Saturday, Sunday.
>
> My votes are:... Early Saturday mornings, 40 or 20, SSB, Bi-
monthly,
>
> for what it's worth..
>
> 73
>
> Raleigh
> NY0Y
>
>
> TCN <inmotion@t...> wrote:
> OK, seems we need a volunteer for net control. I vote for Bill!!
hi hi
>
> Also, it'll be nice to hear that "wonderful Kenwood audio" that
everyone
> keeps telling me about.
>
> Pete
> VE3BHP

>
>
> ----- Original Message -----
> From: "Gary & Carrie Meyer" <meyer@b...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Wednesday, June 04, 2003 9:59 AM
> Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?
>
>
> > Pete,
> >
> > Name a time and frequency and I will try to be there. I
think this
> is a good idea. Just an informal net. Sounds like fun.
> >
> > KCØNPJ Gary
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
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> [Non-text portions of this message have been removed]

511. 820# Power Plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-04 18:17:45 UTC
From: rkkennard
Topic: 511 Message: 511

Does anyone know where can a person buy a power plug for a Kenwood TS-820S ?

thanks

Randall

512. Re: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 00:17:35 UTC
From: Bill
Topic: 500 Message: 512

Moderators can't be net control. Only co-moderators. That would be Gary. heheh

bill

TCN <inmotion@...> wrote:
OK, seems we need a volunteer for net control. I vote for Bill!! hi hi

Also, it'll be nice to hear that "wonderful Kenwood audio" that everyone
keeps telling me about.

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@bevcomm.net>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 9:59 AM
Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?

> Pete,
>
> Name a time and frequency and I will try to be there. I think this
is a good idea. Just an informal net. Sounds like fun.
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
>
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>
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[Non-text portions of this message have been removed]

513. Re: [TS-520_820_530_830] moderator

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 03:14:45 UTC
From: Gary & Carrie Meyer
Topic: 513 Message: 513

Hey

I'll try anything once. Now get me a time and frequency.

KC?NPJ Gary

514. Re[2]: [TS-520_820_530_830] moderator

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 01:22:47 UTC
From: radionut
Topic: 513 Message: 514

---> My reply to what Gary & Carrie Meyer wrote 6/4/2003 10:14:45 PM

sounds like a volunteer to me!!

Would suggest 40 meters because of the wide range of locations of everyone
or maybe 80. SSB would be good or PSK31 might work better than SSB if
everyone is set up for it

Mike KU4ZD

---------- Original Message ----------

Hey

I'll try anything once. Now get me a time and frequency.

KCØNPJ Gary

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

515. Re: [TS-520_820_530_830] moderator

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 01:35:59 UTC
From: f x
Topic: 513 Message: 515

Hehe... one of the duties of the moderator is to set the time and place...

LOL

Raleigh

Gary & Carrie Meyer <meyer@...> wrote:
Hey

I'll try anything once. Now get me a time and frequency.

KC?NPJ Gary

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[Non-text portions of this message have been removed]

516. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 01:37:04 UTC
From: gb
Topic: 516 Message: 516

I bet its rf. It's happened to me
using a 160 meter ant. tuned for 40m.

Gary wb3dsj

-----Original Message-----
From: Gary & Carrie Meyer <meyer@bevcomm.net>
To: TS-520_820_530_830@yahoogroups.com <TS-520_820_530_830@yahoogroups.com>
Date: Wednesday, June 04, 2003 4:36 PM
Subject: Re: [TS-520_820_530_830]

Gentlemen,
I was trying to do some C W work with my ts530 this afternoon. I was keying the 530 with an MFJ422b keyer. At one point the dash maker would no longer work, the dits seemed to be ok. as soon as I powered down the radio it was ok again. Either the keyer will not handle the 530 or could I be getting rf into the keyer. Any suggestions?

KCØNPJ Gary

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

517. HF net time/frequency Poll

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 01:50:16 UTC
From: Peter Weinzettl
Topic: 517 Message: 517

Weeknights sounds good to me too. 20 and/or 40 is good.

----- Original Message -----
From: "Jim" <k1zc@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 6:01 PM
Subject: [TS-520_820_530_830] Re: How abbout an HF Net sometime?

> Frequency: Bi-monthly.
> Band: 20, 40, 80 preferred in that order.
> Mode: SSB, unless you are prepared to listen to a constant stream
> of "QRS" from a certain station in the Midwest.
> Day: Saturday 9:00 Central (14:00 Zulu) works for me, but maybe a
> little early for the West Coast folks. Second choice is evening,
> say 8:00 or 9:00 Central (01:00-02:00 Zulu), any night but Thursday.
>
> 73,
> Jim
> K1ZC
> --- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...>
> wrote:
> > Hi Group...
> >
> > Well, we need a survey...
> >
> > Time: Early Morning, Mid Morning, Noon, mid Afternoon, Early
> evening, late evening...
> > Frequency: Montly, Bi-monthly, Weekly, Daily
> > Band: 80, 40, 20, other (choice of op freq.)
> > Mode: SSB, CW, Other
> > Day of the week: Weekday choice, Saturday, Sunday.
> >
> > My votes are:... Early Saturday mornings, 40 or 20, SSB, Bi-
> monthly,
> >
> > for what it's worth..
> >
> > 73
> >
> > Raleigh
> > NY0Y
> >
> >
> > TCN <inmotion@t...> wrote:
> > OK, seems we need a volunteer for net control. I vote for Bill!!

> hi hi
> >
> > Also, it'll be nice to hear that "wonderful Kenwood audio" that
> everyone
> > keeps telling me about.
> >
> > Pete
> > VE3BHP
> >
> >
> > ----- Original Message -----
> > From: "Gary & Carrie Meyer" <meyer@b...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Wednesday, June 04, 2003 9:59 AM
> > Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?
> >
> >
> > > Pete,
> > >
> > > Name a time and frequency and I will try to be there. I
> think this
> > is a good idea. Just an informal net. Sounds like fun.
> > >
> > > KC?NPJ Gary
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
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> > ---------------------------------
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> > [Non-text portions of this message have been removed]
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518. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 01:54:15 UTC
From: Peter Weinzettl
Topic: 518 Message: 518

Hi Gary:

I'm sure you probably know this already, but it's worth a shot in case you don't.... Check that the mode switch on the keyer isn't set to "semi" (if it has such a setting anyways).

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 6:15 PM
Subject: Re: [TS-520_820_530_830]

>
> Gentlemen,
> I was trying to do some C W work with my ts530 this afternoon.
I was keying the 530 with an MFJ422b keyer. At one point the dash maker would no longer work, the dits seemed to be ok. as soon as I powered down the radio it was ok again. Either the keyer will not handle the 530 or could I be getting rf into the keyer. Any suggestions?
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
>
>
>
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>

519. Re: [TS-520_820_530_830] 820# Power Plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 02:44:42 UTC
From: Bill
Topic: 511 Message: 519

I make them but remember, the American "jones" plugs are numbered backwards to the JA type... Pin 12 becomes pin 10, etc. 1 is 3, you get the pic.

I always check them with an ohm-eater.

rkkennard <rkkennard@...> wrote:

Does anyone know where can a person buy a power plug for a Kenwood TS-820S ?

thanks

Randall

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[Non-text portions of this message have been removed]

520. Re: Re[2]: [TS-520_820_530_830] How abbout an HF Net sometime?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 02:48:56 UTC
From: Bill
Topic: 500 Message: 520

Best thing is just to send out freq and invite for particular day or night, and see what happens.

It's now 8:48pm mdt Weds PM and I am listening on 7255.

bill K0ZL

radionut <radionutmike@...> wrote:
---> My reply to what TCN wrote 6/4/2003 11:31:19 AM

I vote for Bill too! Actually a informal net would be fun. I don't know how often my schedule would allow me to join in but I sure would be interested when I can.

Mike KU4ZD

---------- Original Message ----------

OK, seems we need a volunteer for net control. I vote for Bill!! hi hi

Also, it'll be nice to hear that "wonderful Kenwood audio" that everyone keeps telling me about.

Pete
VE3BHP

----- Original Message -----
From: "Gary & Carrie Meyer" <meyer@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 04, 2003 9:59 AM
Subject: Re: [TS-520_820_530_830] How abbout an HF Net sometime?

> Pete,
>
> Name a time and frequency and I will try to be there. I think this is a good idea. Just an informal net. Sounds like fun.
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
>
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[Non-text portions of this message have been removed]

521. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-05 03:05:42 UTC
From: Bill
Topic: 508 Message: 521

I suggest an RF problem in the keyer. See if reducing power will help.

Also dummy loads are great for t'shooting RFI issues!

bill

Gary & Carrie Meyer <meyer@...> wrote:

Gentlemen,
I was trying to do some C W work with my ts530 this afternoon. I was keying the 530 with an MFJ422b keyer. At one point the dash maker would no longer work, the dits seemed to be ok. as soon as I powered down the radio it was ok again. Either the keyer will not handle the 530 or could I be getting rf into the keyer. Any suggestions?

KC?NPJ Gary

[Non-text portions of this message have been removed]

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522. Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-07 21:50:23 UTC
From: Jim
Topic: 522 Message: 522

I have a minor problem with the light bulb next to the multi-purpose meter on my TS-820S - it seems like it is loose in the socket or the connection is dirty or oxidized. A gentle "thump" on the cabinet will make it come back on although that is probably not the Kenwood approved technique.

I popped the hood today to look at something else and I was hoping that I could get at the bulb by simply removing the top cover. However, it looks to me that I have to remove every knob from the front of the unit and then remove the faceplate to get to it. I figure if there is an easier way to do it, somebody here will know.

73,
Jim

523. Re: [TS-520_820_530_830] Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-08 23:10:38 UTC
From: Peter Weinzettl
Topic: 522 Message: 523

Jim:

If it's anything like the 520, you will see that the bulbs are held in by a small rubber "thingee" (probably not the official Kenwood part name) in which the bulb fits into the middle and can be easily pryed out. The bulbs in my 520 were burned out when I bought it at a HAMfest, and when I took the unit apart, it seemd to me also that I'd have to take the whole front off to get at the bulbs. Not so when i noticed the way the bulbs were actually held in place. Anyways, you can pick up such replacement bulbs at an electronics surplus shop for a buck or two that are already wired. You just have to snip the wire that's currently attached and solder the new one to it. IF you can't find the bulbs at a surplus shop, Model Train stores also sell them, although they're a little more expensive there. Has worked great for me ever since.

Hope this helps,
Pete
VE3BHP

----- Original Message -----
From: "Jim" <k1zc@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, June 07, 2003 5:50 PM
Subject: [TS-520_820_530_830] Is there an easy way to do this?

> I have a minor problem with the light bulb next to the multi-purpose
> meter on my TS-820S - it seems like it is loose in the socket or the
> connection is dirty or oxidized. A gentle "thump" on the cabinet
> will make it come back on although that is probably not the Kenwood
> approved technique.
>
> I popped the hood today to look at something else and I was hoping
> that I could get at the bulb by simply removing the top cover.
> However, it looks to me that I have to remove every knob from the
> front of the unit and then remove the faceplate to get to it. I
> figure if there is an easier way to do it, somebody here will know.
>
> 73,
> Jim
>
>
>
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>

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524. Re: [TS-520_820_530_830] Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-09 02:14:53 UTC
From: Gary & Carrie Meyer
Topic: 522 Message: 524

Jim & Pete,

Radio shack has those bulbs in a variety of voltages. I had to replaqce one in my 503 and one in my old DX 302. Good Luck

KCØNPJ Gary

[Non-text portions of this message have been removed]

525. New member that needs help troubleshooting a TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-09 02:47:28 UTC
From: rwagner617@aol.com
Topic: 525 Message: 525

Greetings,

I have had this TS-820S for 10 plus years and so far have been able to fix every problem but this one. Help.

I just noticed when I move the meter switch to HV received signals cause it to peg. If I turn the AGC off HV reads normal. I scoped the meter and found what appears to be
audio on it and I followed the schematic back to pin 14 of connector IF3 (SM) on the IF board which goes to the collector of Q5. Does anyone have a clue why audio is getting into the meter circuit while I'm reading HV and how to fix it?

Thanks,

Bob WA6OJJ

[Non-text portions of this message have been removed]

526. Re: [TS-520_820_530_830] Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-09 14:59:42 UTC
From: Bill
Topic: 522 Message: 526

I thought these bulbs poked into the back of the meter through a grommet?

BTW they do get intermittant before they fail.

bill

Jim <k1zc@...> wrote:
I have a minor problem with the light bulb next to the multi-purpose
meter on my TS-820S - it seems like it is loose in the socket or the
connection is dirty or oxidized. A gentle "thump" on the cabinet
will make it come back on although that is probably not the Kenwood
approved technique.

I popped the hood today to look at something else and I was hoping
that I could get at the bulb by simply removing the top cover.
However, it looks to me that I have to remove every knob from the
front of the unit and then remove the faceplate to get to it. I
figure if there is an easier way to do it, somebody here will know.

73,
Jim

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[Non-text portions of this message have been removed]

527. Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-10 00:48:14 UTC
From: Jim
Topic: 522 Message: 527

I found them and you guys are correct, they feed in through the back of the meter via a grommet, although my teenage daughter refers to grommets by the proper technical term "little rubber thingy". I was looking for the wrong mounting since I was expecting to find a little socket for a bayonet bulb like on my Heathkit gear, but these are a bit different (who the heck figured it was a good idea to solder them in?)!

You learn something new every day.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> I thought these bulbs poked into the back of the meter through a grommet?
>
> BTW they do get intermittant before they fail.
>
> bill

528. Re: [TS-520_820_530_830] Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-10 00:59:35 UTC
From: Bill
Topic: 522 Message: 528

Now that you found it, here's how to fithit:

You can follow the lamp leads way down into the innards of the front panel where they are soldered onto some PC pads; or, do it the technically incorrect but much easier way (which fits the amateur-repairs group standards) by cutting the wires near the old bulb (power off, of course!) and then putting on one 1/2" long piece of heat shrink on each lead of the new lamp, cutting and stripping the mating ends of the wires to about 1/4" length, tinning all four wires, and then lap-soldering them together (wires parallel, overlapping each other most of the tinned length, then run small bead of solder along them. Takes a little practice but makes a super-neat splice). Then, you know what to do with the heat shrink tubing.

Of course, if you soldered all four wires TOGETHER, it will short the lamp circuit out, but you knew that, too.

Please don't twist the leads together and then use 2" of cheap electrical tape that will, on the first hot day, melt the adhesive and ooze it all over everything and every body that gets within two feet of the radio.. that does NOT fit the amateur-repairs group standards, even if you attempt to bind the wires first with a glob of plumbing solder and a match.

(Apologies to August and Howard)

73!

Bill

Jim <k1zc@...> wrote:
I found them and you guys are correct, they feed in through the back
of the meter via a grommet, although my teenage daughter refers to
grommets by the proper technical term "little rubber thingy". I was
looking for the wrong mounting since I was expecting to find a
little socket for a bayonet bulb like on my Heathkit gear, but these
are a bit different (who the heck figured it was a good idea to
solder them in?)!

You learn something new every day.

73,
Jim

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[Non-text portions of this message have been removed]

529. Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-10 01:44:34 UTC
From: Jim
Topic: 522 Message: 529

Yep, somebody has already "been there and done that" using the time honored "cut the wire and use lots of black tape" trick. Not sure I ever like to see electrical tape on anything, except as an extra wrap around when I replace a 120V AC light switch.

I will try the more elegant lap soldering technique. Too bad somebody doesn't make a tiny connector that is readily available - I have seen some used on disk drives and such that would be perfect. Oh well, I guess I won't have to do this very often so if ain't broken I won't fix it.

These are 12V lamps, right? Anybody ever try replacing them with the red and green lamps for a festive look at Christmas hi hi?

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Now that you found it, here's how to fithit:
>
> You can follow the lamp leads way down into the innards of the front panel where they are soldered onto some PC pads; or, do it the technically incorrect but much easier way (which fits the amateur-repairs group standards) by cutting the wires near the old bulb (power off, of course!) and then putting on one 1/2" long piece of heat shrink on each lead of the new lamp, cutting and stripping the mating ends of the wires to about 1/4" length, tinning all four wires, and then lap-soldering them together (wires parallel, overlapping each other most of the tinned length, then run small bead of solder along them. Takes a little practice but makes a super-neat splice). Then, you know what to do with the heat shrink tubing.
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> (Apologies to August and Howard)
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> 73!
>
> Bill
>

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> Jim
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> see our website www.amateur-repairs.com
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> ---------------------------------
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>
> [Non-text portions of this message have been removed]

530. Re: [TS-520_820_530_830] Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-10 03:37:06 UTC
From: Bill
Topic: 522 Message: 530

Yep, 12v... and if they seem to burn too brightly (you can't look at the filament), stick a 33 to 100 ohm, 1/2 watt wire wound resistor or 1 watt MOF in series. They will last longer. If you have nail polish (and who doesn't?) you can try all sorts of colors. Stay away from pink or purple; it will shorten the life of the radio (if I see it). hehe

bill

Jim <k1zc@...> wrote:
Yep, somebody has already "been there and done that" using the time honored "cut the wire and use lots of black tape" trick. Not sure I ever like to see electrical tape on anything, except as an extra wrap around when I replace a 120V AC light switch.

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> little socket for a bayonet bulb like on my Heathkit gear, but
these
> are a bit different (who the heck figured it was a good idea to
> solder them in?)!
>
> You learn something new every day.
>
> 73,
> Jim
>
>
>
> see our website www.amateur-repairs.com
>
>
> ---------------------------------
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>
> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

531. mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-11 02:12:33 UTC
From: Gary & Carrie Meyer
Topic: 531 Message: 531

Bill

I would like a hand mike with push to talk. Do you have anything like that and what would be the cost?

KC?NPJ Gary

532. Re: [TS-520_820_530_830] mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-11 03:36:13 UTC
From: Bill
Topic: 531 Message: 532

Gary, you can use just about any old hand mic, unless you want a Kenwood original type. for that you will need to look on eBay, or you can still buy the MC-43 which works great but will have to be re-wired for the 4 pin mic connector.

If you can find an old Shure hand mic that you like, pick it up. Even an old Motorla or GE mic will work and you can put in a Heil element and really have something!

b

Gary & Carrie Meyer <meyer@...> wrote:
Bill

I would like a hand mike with push to talk. Do you have anything
like that and what would be the cost?

KC?NPJ Gary

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[Non-text portions of this message have been removed]

533. Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-12 00:12:20 UTC
From: Dave W8NF
Topic: 533 Message: 533

I'm building some interfaces for Field Day and need to key both the TS-830S AND a TS-850S from the same PC (with a switch). The TS-850S has a positive voltage that is pulled to ground to key the rig. To my knowledge, mainstream standard for solid state rigs.

The old all-tube rigs used grid-block keying. In that system, there was typically negative 100 volts on the keying line, and when you closed the key, you were conducting mere microamps of current. On my Drake B-line, for instance, merely connecting a DVM to the keying line to read the voltage would actually key the rig.

But I am not certain about the hybrid rigs like the TS-830S. I have the operating manual, but will not have the rig until Field Day. I have been unable to find the answer in the operating manual - it's probably there but I can't see it.

So, does anybody know? Do I need to build the TS-830S interface to be able to key a negative voltage or positive?

Thanks!

73,

Dave W8NF

_____
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534. Re: [TS-520_820_530_830] Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-12 12:19:11 UTC
From: Bill
Topic: 533 Message: 534

DAve, the 520 through 830 use 12v to kick a relay. Same interface as the 850, just make sure it can handle a couple hundred mA.

bill

Dave W8NF <w8nflists@...> wrote:
I'm building some interfaces for Field Day and need to key both the TS-830S AND a TS-850S from the same PC (with a switch). The TS-850S has a positive voltage that is pulled to ground to key the rig. To my knowledge, mainstream standard for solid state rigs.

The old all-tube rigs used grid-block keying. In that system, there was typically negative 100 volts on the keying line, and when you closed the key, you were conducting mere microamps of current. On my Drake B-line, for instance, merely connecting a DVM to the keying line to read the voltage would actually key the rig.

But I am not certain about the hybrid rigs like the TS-830S. I have the operating manual, but will not have the rig until Field Day. I have been unable to find the answer in the operating manual - it's probably there but I can't see it.

So, does anybody know? Do I need to build the TS-830S interface to be able to key a negative voltage or positive?

Thanks!

73,

Dave W8NF

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[Non-text portions of this message have been removed]

535. Re: [TS-520_820_530_830] Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-12 18:03:51 UTC
From: Gary & Carrie Meyer
Topic: 533 Message: 535

Bill,

So what should the voltage on the keying line be. Mine on the 530 measures about negative 38 volts.

KCØNPJ Gary

[Non-text portions of this message have been removed]

536. Re: [TS-520_820_530_830] Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-12 17:11:41 UTC
From: Bill
Topic: 533 Message: 536

REally! I thought they all went to a 12v relay! yikes, better get my skem out and look.

uh, a little reed relay should do the trick for both positive and negative keying, or you can look at any of the keyer projects for idea on how to do it with transistors.

b

Gary & Carrie Meyer <meyer@bevcomm.net> wrote:
Bill,

So what should the voltage on the keying line be. Mine on the 530 measures about negative 38 volts.

KC?NPJ Gary

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

537. 530s work with qrp ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-13 23:56:16 UTC
From: james27613
Topic: 537 Message: 537

hi,

Have the 520 and use the qrp circuit shown on dk.mods.

Any reason not to use this on the 530s to limit power out,
I want to run the tentec transverter 20m--->6m.

73 james

538. Re: [TS-520_820_530_830] 530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 02:49:47 UTC
From: Gary & Carrie Meyer
Topic: 538 Message: 538

Guess what?

The bulb in my s-meter is out. Sure hope is as easy to fix as you all suggested. Don't suppose I need a 200 watt soldering gun. I'll have to dig out my 15 watt iron. Didn't we just discuss this?

KCØNPJ Gary

[Non-text portions of this message have been removed]

539. Re: 530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 01:34:08 UTC
From: Jim
Topic: 538 Message: 539

Gary,

Good luck with it. I finished up about 30 minutes ago, now I have two bright shining lamps in my S-meter, but it was a bit more challenging than what was described.

There are indeed rubber grommets, but the bulb does not just pop out (at least not on the TS-820S). The lamps have two tiny wires and you need to thread these through two equally tiny holes in the rubber. While it is relatively easy to pull the grommet out from the back, reinserting with the new bulb in place is quite the challenge. I finally gave up and pulled the face plate, and with it all the knobs.

It might be possible to do it from behind with the right lamp, but the ones I got at Radio Shack are long enough that they make a reinsertion from the rear nearly impossible. You need to come in from the top at an angle with the pair I got, hence removing the face plate. BTW, the Radio Shack part number is 272-1141 if you want to call first.

Do use the procedure suggested by Bill and get some nice tight heat shrink, the previous owner had gone the black tape route and everything inside was kind of sticky and gooey. Since the wires are tiny, make sure you have some shrink tubing that is small enough before you start. The heat shrink I used on my first attempt would not shrink enough to stay put.

Besides a soldering iron and several screwdrivers, I found that a nice cold gin and tonic makes the job go easier.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" <meyer@b...> wrote:
>
> Guess what?
>
> The bulb in my s-meter is out. Sure hope is as easy to fix as you all suggested. Don't suppose I need a 200 watt soldering gun. I'll have to dig out my 15 watt iron. Didn't we just discuss this?
>
> KCØNPJ Gary
>
> [Non-text portions of this message have been removed]

540. RE: [TS-520_820_530_830] 530s work with qrp ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 04:42:28 UTC
From: Robert Mackie
Topic: 537 Message: 540

What is dk.mods? --- On Fri 06/13, james27613 < james27613@... > wrote: From: james27613 [mailto: james27613@...] To: TS-520_820_530_830@yahoogroups.com Date: Fri, 13 Jun 2003 23:56:16 -0000 Subject: [TS-520_820_530_830] 530s work with qrp ? hi,

Have the 520 and use the qrp circuit shown on dk.mods.

Any reason not to use this on the 530s to limit power out,
I want to run the tentec transverter 20m--->6m.

73 james

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541. Re: [TS-520_820_530_830] 530s work with qrp ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 12:27:46 UTC
From: Alan Wolke
Topic: 537 Message: 541

More accurately, it is http://www.mods.dk which is a very comprehensive site for radio modifications. Just click on the manufacturer's link on the top of the page, then find your model on the left... Robert Mackie wrote: > > > What is dk.mods? > > > > > --- On Fri 06/13, james27613 < james27613@... > wrote: > From: james27613 [mailto: james27613@...] > To: TS-520_820_530_830@yahoogroups.com > Date: Fri, 13 Jun 2003 23:56:16 -0000 > Subject: [TS-520_820_530_830] 530s work with qrp ? > > hi,

Have the 520 and use the qrp circuit shown on > dk.mods.

Any reason not to use this on the 530s to limit power > out,
I want to run the tentec transverter 20m--->6m.

73 > james

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542. Re: [TS-520_820_530_830] 530s work with qrp ?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 12:32:57 UTC
From: Bill
Topic: 537 Message: 542

I think the 520 and 530 use the same ALC circuit, should work OK.
b

james27613 <james27613@...> wrote:
hi,

Have the 520 and use the qrp circuit shown on dk.mods.

Any reason not to use this on the 530s to limit power out,
I want to run the tentec transverter 20m--->6m.

73 james

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543. Re:mods.dk qrp ts 520 or 530 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 15:41:57 UTC
From: james27613@att.net
Topic: 543 Message: 543

mods.dk site for radio modifications, problem fix tsb etc. may makes models.

http://www.mods.dk/mods.php3?model=ts-520&radio=kenwood

There is a circuit to use with the 8 pin socket to limit output
on the ts-520 so you can work qrp. It send -6-9 vdc to the alc.

Any reason not to use this on the ts-530 ?

73 james ke4drn

544. RE: [TS-520_820_530_830] Re:mods.dk qrp ts 520 or 530 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-14 20:50:17 UTC
From: Greg Milligan
Topic: 544 Message: 544

James on a TS530 and TS830 when using the 7 pin DIN remote socket, pin 2 = gnd and pin 6 = ALC input.

I use a PP3(9v) battery. The positive side from the battery is wired to ground (pin2) and the negative supply is wired via a switch and a pot to the ALC input (pin6). I have used this on both a TS-530S and a TS-830S in order to switch from full power (when tuning in to a dummy load) to a adjustable QRP power.

Greg G1CPU

-----Original Message-----
From: james27613@... [mailto:james27613@...]
Sent: 14 June 2003 16:42
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re:mods.dk qrp ts 520 or 530 ??

mods.dk site for radio modifications, problem fix tsb etc. may makes models.

http://www.mods.dk/mods.php3?model=ts-520&radio=kenwood

There is a circuit to use with the 8 pin socket to limit output
on the ts-520 so you can work qrp. It send -6-9 vdc to the alc.

Any reason not to use this on the ts-530 ?

73 james ke4drn

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545. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-17 03:15:35 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 545

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /OPERATOR AIDS/tuneup.rtf
Uploaded by : coorsbill <coorsbill@...>
Description : Tune up procedure for TS-820, RTF format. Thanks James, K1ZC! k0zl 6-16-03

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/OPERATOR%20AIDS/tuneup.rtf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

coorsbill <coorsbill@...>

546. Neat photos!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-17 03:22:53 UTC
From: Bill Leahy
Topic: 546 Message: 546

K2WH... thanks for posting photos of your Kenwood gear. It's a neat station, nice and clean, well laid out... WHAT'S WRONG WITH YOU? hi...

73,

Bill K0ZL

547. Re:mods.dk qrp ts 520 or 530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-17 17:15:23 UTC
From: james27613
Topic: 544 Message: 547

Thank you for the info !

73 james ke4drn arrl member

--- In TS-520_820_530_830@yahoogroups.com, "Greg Milligan"
<greg@g...>
wrote:
> James on a TS530 and TS830 when using the 7 pin DIN remote socket,
pin 2 =
> gnd and pin 6 = ALC input.
>
> I use a PP3(9v) battery. The positive side from the battery is
wired
to
> ground (pin2) and the negative supply is wired via a switch and a
pot to the
> ALC input (pin6). I have used this on both a TS-530S and a TS-830S
in order
> to switch from full power (when tuning in to a dummy load) to a
adjustable
> QRP power.
>

548. Re: Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-20 05:58:29 UTC
From: Dave W8NF
Topic: 533 Message: 548

Hey Bill, maybe I need to ask my questions differently. I asked if the TS-830S was grid-block keyed - not whether it was capable of keying a grid-blocked amp.

The correct answer, which I *finally* found in the TS-830S operating manual (I have a .pdf, not a printed copy, so it's kind of hard to scan through) is that the TS-830S is, indeed, grid-block keyed. Kenwood's own specification says that when your morse code key is open, negative 65 volts will appear across the terminals. Therefore, the standard (modern) keying interfaces from most keyers won't work, since they're designed to key only positive voltages.

Glad I found that out..now I know that I have to build some positive-to-negative keying interfaces.

The only thing that's bugging me now is that I'm only getting the info I need, and we are precious days away from Field Day.

More questions, but in another posting, because they won't fit under the present topic..

73, Dave W8NF

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549. How easy/difficult is it to get into the TS-830S front panel?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-20 06:05:54 UTC
From: Dave W8NF
Topic: 549 Message: 549

Hello, TS x2/30 enthusiasts!!!

I just took delivery of a TS-830S from the inventory of the club for whom I'm captaining the 40 meter Field Day station.

It's always a lot of fun plugging in a rig that's new to you, particularly if it's a nice one. I really like this radio. The receiver is MUCH more pleasant to listen to than my TS-850SAT, and the IF filters seem sharper. The receiver is more "alive", less compressed. Not as sensitive, but plenty sensitive enough. And you can tell how loud a signal is by listening - you don't have to watch the digital S-meter.

However, this particular example is not ready for prime time. During my listening, I noticed a fair amount of frequency instability, and some weird static like sounds. I finally traced them down - the "FIX" switch is dirty, causing the frequency shifting, and the "RF.ATT" switch is dirty, causing the static-like sounds. There are a few other dirty controls, too.

So, the question is this - I'm going to have maybe an hour to fix this. Can I do it? If I just pop off the covers, can I get in to those switches and carefully apply some ProGold? Or is it a major disassembly to get into the front panel area of this rig?

Otherwise, this seems like a great rig for Field Day. Only a few too many controls for someone unfamiliar with it and no nasty memory buttons to send you off into never-never land, confusing a beginner.

Thanks for all the help.

73,

Dave W8NF

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550. Re: [TS-520_820_530_830] How easy/difficult is it to get into the TS-830S front panel?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-20 15:41:50 UTC
From: Bill
Topic: 549 Message: 550

Best bet, take off the covers and check to see if you can get to the switches. I don't recall ever having to take the front panel apart to clean any of the switches on these.

After you do that, sweep any band with the VFO and with the CAL on. If you hear anything but clean heterodynes as you tune across each marker, your VFO is dirty and the contacts on the variable cap will need to be cleaned. That is a little harder.

bill

Dave W8NF <w8nflists@...> wrote:
Hello, TS x2/30 enthusiasts!!!

I just took delivery of a TS-830S from the inventory
of the club for whom I'm captaining the 40 meter Field
Day station.

It's always a lot of fun plugging in a rig that's new
to you, particularly if it's a nice one. I really
like this radio. The receiver is MUCH more pleasant
to listen to than my TS-850SAT, and the IF filters
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covers, can I get in to those switches and carefully
apply some ProGold? Or is it a major disassembly to
get into the front panel area of this rig?

Otherwise, this seems like a great rig for Field Day.
Only a few too many controls for someone unfamiliar
with it and no nasty memory buttons to send you off
into never-never land, confusing a beginner.

Thanks for all the help.

73,

Dave W8NF

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[Non-text portions of this message have been removed]

551. Re: [TS-520_820_530_830] Re: Is the TS-830S grid-block keyed?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-20 15:46:55 UTC
From: Bill
Topic: 533 Message: 551

OK thanks... I think the MFJ-922 keyer has provision for grid block keying... can't remember that far back.

Good luck and see you on FD... you using your call?

bill

Dave W8NF <w8nflists@...> wrote:
Hey Bill, maybe I need to ask my questions
differently. I asked if the TS-830S was grid-block
keyed - not whether it was capable of keying a
grid-blocked amp.

The correct answer, which I *finally* found in the
TS-830S operating manual (I have a .pdf, not a printed
copy, so it's kind of hard to scan through) is that
the TS-830S is, indeed, grid-block keyed. Kenwood's
own specification says that when your morse code key
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terminals. Therefore, the standard (modern) keying
interfaces from most keyers won't work, since they're
designed to key only positive voltages.

Glad I found that out..now I know that I have to build
some positive-to-negative keying interfaces.

The only thing that's bugging me now is that I'm only
getting the info I need, and we are precious days away
from Field Day.

More questions, but in another posting, because they
won't fit under the present topic..

73, Dave W8NF

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[Non-text portions of this message have been removed]

552. Re: Cleaning TS-830S pots/switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-21 11:51:09 UTC
From: james27613@att.net
Topic: 552 Message: 552

Hi,

The only switches I could not clean on my 530s was the Mode switch,
otherwise you can hit all the pots and switches like Bill suggested.

73 james ke4drn

>So, the question is this - I'm going to have maybe an
> hour to fix this. Can I do it? If I just pop off the
> covers, can I get in to those switches and carefully
> apply some ProGold?

553. Re: [TS-520_820_530_830] Re: Cleaning TS-830S pots/switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-21 14:17:53 UTC
From: Bill
Topic: 552 Message: 553

The mode switch is pretty well sealed, usually doesn't need cleaning but I have heard them get noisy now and then.

Best thing as with all older rigs is OPERATE IT now and then... they HATE sitting on the shelf with no one to twiddle the knobs.

Bill

james27613@... wrote:
Hi,

The only switches I could not clean on my 530s was the Mode switch,
otherwise you can hit all the pots and switches like Bill suggested.

73 james ke4drn

>So, the question is this - I'm going to have maybe an
> hour to fix this. Can I do it? If I just pop off the
> covers, can I get in to those switches and carefully
> apply some ProGold?

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[Non-text portions of this message have been removed]

554. TS-830S and Field Day

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-23 16:02:48 UTC
From: Dave W8NF
Topic: 554 Message: 554

Bill,

Nope, I'll be with a local club - W6KB, as in "kick butt" LOL. If you hear us on 40 meters, it'll be the '830 I'm presently working on, probably. I may not be the op, though, I'm working at getting as many low-activity hams on the air as possible. Probably will see most SSB during the day, and CW at night, because of the nature of 40 meters.

I rigged up a cheap headset/boom mic from a PC headset. A bit frustrating - turns out PC microphones need some DC bias, so it was another hour, and I have an air-wired rig with resistors and a 9 volt battery putting it all together. With our crew, there's no doubt someone's going to end up operating and logging as a one-person arrangement, and the headset/boom mic should help. Keep the hands on the computer keyboard, work 'em and log 'em. But what do I know? I'm a CW op...

LOL

Hope to see as many as possible on the air this weekend.

73,

Dave W8NF
Santa Rosa, CA

Date: Fri, 20 Jun 2003 08:46:55 -0700 (PDT)
From: Bill <coorsbill@...>
Subject: Re: Re: Is the TS-830S grid-block keyed?

OK thanks... I think the MFJ-922 keyer has provision for grid block
keying... can't remember that far back.

Good luck and see you on FD... you using your call?

bill

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555. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-24 14:15:53 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 555

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /TS-830S/TS-830S_Instruction_manual@...
Uploaded by : w2aew <w2aew@...>
Description : TS-830S Instruction Manual

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

w2aew <w2aew@...>

556. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-24 14:34:08 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 556

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /TS-830S/830.html
Uploaded by : w2aew <w2aew@...>
Description : Richard Measures Excellent Tune-Up and Tips for TS-830S

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/TS-830S/830.html

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

w2aew <w2aew@...>

557. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-26 17:57:07 UTC
From: Dale Cole
Topic: 557 Message: 557

Help;
Would like to review some of the pin outs on the accessory file of the
830, but using this link I get "file not found on this server" .
Any answers?

Dale H. Cole K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, June 24, 2003 10:16:10 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /TS-830S/TS-830S_Instruction_manual@...
Uploaded by : w2aew <w2aew@...>
Description : TS-830S Instruction Manual

You can access this file at the URL

http://groups.yahoo
com/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549
pdf

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Regards,

w2aew <w2aew@...>

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[Non-text portions of this message have been removed]

558. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-26 18:07:52 UTC
From: Alan E. Wolke
Topic: 557 Message: 558

Hi Dale,

Sorry about that - it is my fault. When I uploaded the file it had the
name:
"TS-830S_Instruction_manual@..."

After uploading it, I changed the name to simply remove the "@549" part,
since that made no sense anyway.

The best way to get the file is to simply go to the group's homepage,
then enter the file area, and you'll find the file (and other files) in
the TS-830 folder.

Sorry about the confusion...

73,
Alan W2AEW

Dale Cole wrote:

> Help;
> Would like to review some of the pin outs on the accessory file of
> the
> 830, but using this link I get "file not found on this server" .
> Any answers?
>
> Dale H. Cole K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Tuesday, June 24, 2003 10:16:10 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the TS-520_820_530_830
> group.
>
> File : /TS-830S/TS-830S_Instruction_manual@...
> Uploaded by : w2aew <w2aew@...>
> Description : TS-830S Instruction Manual
>
> You can access this file at the URL

>
> http://groups.yahoo
>
> om/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549
>
> pdf
>
> To learn more about file sharing for your group, please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> w2aew <w2aew@...>
>
>
>
>
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>
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[Non-text portions of this message have been removed]

559. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-26 18:25:01 UTC
From: Dale Cole
Topic: 557 Message: 559

Hey OK Alan! No Problem
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Thursday, June 26, 2003 02:13:23 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Hi Dale,

Sorry about that - it is my fault. When I uploaded the file it had the
name:
"TS-830S_Instruction_manual@..."

After uploading it, I changed the name to simply remove the "@549" part,
since that made no sense anyway.

The best way to get the file is to simply go to the group's homepage,
then enter the file area, and you'll find the file (and other files) in
the TS-830 folder.

Sorry about the confusion...

73,
Alan W2AEW

Dale Cole wrote:

> Help;
> Would like to review some of the pin outs on the accessory file of
> the
> 830, but using this link I get "file not found on this server" .
> Any answers?
>
> Dale H. Cole K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Tuesday, June 24, 2003 10:16:10 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830
>
>
> Hello,

>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the TS-520_820_530_830
> group.
>
> File : /TS-830S/TS-830S_Instruction_manual@...
> Uploaded by : w2aew <w2aew@...>
> Description : TS-830S Instruction Manual
>
> You can access this file at the URL
>
> http://groups.yahoo
>
> om/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549
>
> pdf
>
> To learn more about file sharing for your group, please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> w2aew <w2aew@...>
>
>
>
>
>
>
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>
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>
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[Non-text portions of this message have been removed]

560. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-26 19:43:08 UTC
From: Bill
Topic: 557 Message: 560

What file were you trying to access and what is the
URL for it? it wasn't a Yahoo TS-520etc group file was
it? All those that I have tried seemed to be working
OK>

b
--- Dale Cole <k9ttt@...> wrote:
> Help;
> Would like to review some of the pin outs on the
> accessory file of the
> 830, but using this link I get "file not found on
> this server" .
> Any answers?
>
> Dale H. Cole K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Tuesday, June 24, 2003 10:16:10 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] New file uploaded to
> TS-520_820_530_830
>
>
> Hello,
>
> This email message is a notification to let you know
> that
> a file has been uploaded to the Files area of the
> TS-520_820_530_830
> group.
>
> File :
> /TS-830S/TS-830S_Instruction_manual@...
> Uploaded by : w2aew <w2aew@...>
> Description : TS-830S Instruction Manual
>
> You can access this file at the URL
>
> http://groups.yahoo
>
com/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549
> pdf
>

> To learn more about file sharing for your group,
> please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> w2aew <w2aew@...>
>
>
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>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
>
>
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> Terms of Service.
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>
> [Non-text portions of this message have been
> removed]
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561. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-26 19:46:11 UTC
From: Bill
Topic: 557 Message: 561

Oh yeah.. one other thing about .pdf files.. if you
try to save them off the Web page and the overall path
name that your computer tries to assign is greater
than 65 characters, Adobe pukes and says basically,
"your disk is full", when it really means, "Use a
shorter path silly!".

To work around this, I save it to "my computer" and
then whatever the root directory is for that... then
later I move it where I want it.

bill

--- "Alan E. Wolke" <w2aew@...> wrote:
> Hi Dale,
>
> Sorry about that - it is my fault. When I uploaded
> the file it had the
> name:
> "TS-830S_Instruction_manual@..."
>
> After uploading it, I changed the name to simply
> remove the "@549" part,
> since that made no sense anyway.
>
> The best way to get the file is to simply go to the
> group's homepage,
> then enter the file area, and you'll find the file
> (and other files) in
> the TS-830 folder.
>
> Sorry about the confusion...
>
> 73,
> Alan W2AEW
>
>
> Dale Cole wrote:
>
> > Help;
> > Would like to review some of the pin outs on
> the accessory file of
> > the
> > 830, but using this link I get "file not found on
> this server" .
> > Any answers?

> >
> > Dale H. Cole K9TTT
> >
> > -------Original Message-------
> >
> > From: TS-520_820_530_830@yahoogroups.com
> > Date: Tuesday, June 24, 2003 10:16:10 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] New file uploaded to
> TS-520_820_530_830
> >
> >
> > Hello,
> >
> > This email message is a notification to let you
> know that
> > a file has been uploaded to the Files area of the
> TS-520_820_530_830
> > group.
> >
> > File :
> /TS-830S/TS-830S_Instruction_manual@...
> > Uploaded by : w2aew <w2aew@...>
> > Description : TS-830S Instruction Manual
> >
> > You can access this file at the URL
> >
> > http://groups.yahoo
> >
> >
>
om/group/TS-520_820_530_830/files/TS-830S/TS-830S_Instruction_manual%40549
> >
> > pdf
> >
> > To learn more about file sharing for your group,
> please visit
> >
> > http://help.yahoo.com/help/us/groups/files
> >
> > Regards,
> >
> > w2aew <w2aew@...>
> >
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> >
> > [Non-text portions of this message have been
> removed]
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> >
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> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to the Yahoo!
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562. TS-520 Accessories Questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-27 22:22:10 UTC
From: smrippe
Topic: 562 Message: 562

First, would like to thank Bill, K0ZL, for approving my membership to this group, and second, I would like to apologize to the entire group in advance for my ignorance with regard to Kenwood radios and accessories. I was recently offered a great deal on a pristine version of the TS-520, so now I am a proud owner of my first piece of Kenwood equipment.

My first question is this. Mounted on the back of the radio just under the fan is what I believe to be the DK-520 adapter for using the DG-5 digital display. The adapter has 3 "RCA" type jacks labeled "VFO" "HET" "CAR". It also has a 2 pin power connector labeled "Counter". Is my assumption correct?

I have been given an AT-250 antenna tuner that appears to be in excellent condition, inside and out, and I was told that it functions perfectly. Here is my second question. Can the AT-250 be used with the TS-520, and if so, what steps would be required to accomplish this task?

Thank you all in advance for you assistance.

Steve R.
Fenton, Michigan
smrippe@...

563. Re: [TS-520_820_530_830] TS-520 Accessories Questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-06-30 14:50:24 UTC
From: Bill
Topic: 562 Message: 563

Oh don't apologize. Without questions, this group
would have not much reason to exist I think.

Yes those connectors are for the counter. Keep eye on
eBay or at the hamfests, you will find one.

I am certain the AT-250 will work; does the AT-250
have a band selector switch on it? That is the main
thing, is telling the AT-250 what band you is on.

bill

--- smrippe <smrippe@...> wrote:
> First, would like to thank Bill, K0ZL, for approving
> my membership to
> this group, and second, I would like to apologize to
> the entire group
> in advance for my ignorance with regard to Kenwood
> radios and
> accessories. I was recently offered a great deal on
> a pristine
> version of the TS-520, so now I am a proud owner of
> my first piece of
> Kenwood equipment.
>
> My first question is this. Mounted on the back of
> the radio just
> under the fan is what I believe to be the DK-520
> adapter for using
> the DG-5 digital display. The adapter has 3 "RCA"
> type jacks
> labeled "VFO" "HET" "CAR". It also has a 2
> pin power connector labeled "Counter". Is my
> assumption
> correct?
>
> I have been given an AT-250 antenna tuner that
> appears to be in
> excellent condition, inside and out, and I was told
> that it functions
> perfectly. Here is my second question. Can the
> AT-250 be used with
> the TS-520, and if so, what steps would be required
> to accomplish
> this task?
>

> Thank you all in advance for you assistance.
>
> Steve R.
> Fenton, Michigan
> smrippe@...
>
>
>
>

=====

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564. Re: TS-520 Accessories Questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-01 03:55:19 UTC
From: smrippe
Topic: 562 Message: 564

Bill:

Thanks for your response. I was fairly sure about the DK-250 adapter, but it is still nice to have a confirmation. All I need now is to find a DG-5. With regard to the AT-250, yes it does have a band selection switch with one position for the "Auto" tune function. I am still not clear if it will work with the TS-520 in the "Auto" tune position. If not, I should just get a lower cost AT-230 or AT-200 and sell the AT-250. Any ideas?

Regards,
Steve Ripper

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Oh don't apologize. Without questions, this group
> would have not much reason to exist I think.
>
> Yes those connectors are for the counter. Keep eye on
> eBay or at the hamfests, you will find one.
>
> I am certain the AT-250 will work; does the AT-250
> have a band selector switch on it? That is the main
> thing, is telling the AT-250 what band you is on.
>
> bill
>
> --- smrippe <smrippe@a...> wrote:
> > First, would like to thank Bill, K0ZL, for approving
> > my membership to
> > this group, and second, I would like to apologize to
> > the entire group
> > in advance for my ignorance with regard to Kenwood
> > radios and
> > accessories. I was recently offered a great deal on
> > a pristine
> > version of the TS-520, so now I am a proud owner of
> > my first piece of
> > Kenwood equipment.
> >
> > My first question is this. Mounted on the back of
> > the radio just
> > under the fan is what I believe to be the DK-520
> > adapter for using
> > the DG-5 digital display. The adapter has 3 "RCA"
> > type jacks

> > labeled "VFO" "HET" "CAR". It also has a 2
> > pin power connector labeled "Counter". Is my
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> > I have been given an AT-250 antenna tuner that
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> > perfectly. Here is my second question. Can the
> > AT-250 be used with
> > the TS-520, and if so, what steps would be required
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> > this task?
> >
> > Thank you all in advance for you assistance.
> >
> > Steve R.
> > Fenton, Michigan
> > smrippe@a...
> >
> >
> >
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> =====
>
> see our website www.amateur-repairs.com
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>
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565. Re: [TS-520_820_530_830] Re: TS-520 Accessories Questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-02 03:01:47 UTC
From: Bill
Topic: 562 Message: 565

You can sell the AT-250 and have enough from the sale
to buy an SGC-239 auto tuner! That will work with ANY
rig.

Your 520 will handle up to 3:1 without a tuner; it's
the nature of tube rigs. Say you have a G5RV, hook
right to the 520, and load it up for max output...

No tuner needed for minor SWR correction.

I have an SB-220 that performs the same function: 80M
dipole, 5:1 swr at the ends of the bands, the amp
works just fine and the ts-850 sees 1.5:1 into the
amp. Everyone is happy.

73,

Bill
--- smrippe <smrippe@...> wrote:
> Bill:
>
> Thanks for your response. I was fairly sure about
> the DK-250 adapter,
> but it is still nice to have a confirmation. All I
> need now is to
> find a DG-5. With regard to the AT-250, yes it does
> have a band
> selection switch with one position for the "Auto"
> tune function. I am
> still not clear if it will work with the TS-520 in
> the "Auto" tune
> position. If not, I should just get a lower cost
> AT-230 or AT-200 and
> sell the AT-250. Any ideas?
>
> Regards,
> Steve Ripper
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Oh don't apologize. Without questions, this group
> > would have not much reason to exist I think.
> >

> > Yes those connectors are for the counter. Keep eye
> on
> > eBay or at the hamfests, you will find one.
> >
> > I am certain the AT-250 will work; does the AT-250
> > have a band selector switch on it? That is the
> main
> > thing, is telling the AT-250 what band you is on.
> >
> > bill
> >
> > --- smrippe <smrippe@a...> wrote:
> > > First, would like to thank Bill, K0ZL, for
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> > > my membership to
> > > this group, and second, I would like to
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> > > in advance for my ignorance with regard to
> Kenwood
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> > >
> > > My first question is this. Mounted on the back
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> > > under the fan is what I believe to be the DK-520
> > > adapter for using
> > > the DG-5 digital display. The adapter has 3
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> > > type jacks
> > > labeled "VFO" "HET" "CAR". It also has a 2
> > > pin power connector labeled "Counter". Is my
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> > > correct?
> > >
> > > I have been given an AT-250 antenna tuner that
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> > > excellent condition, inside and out, and I was
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> > > perfectly. Here is my second question. Can the
> > > AT-250 be used with
> > > the TS-520, and if so, what steps would be

> required
> > > to accomplish
> > > this task?
> > >
> > > Thank you all in advance for you assistance.
> > >
> > > Steve R.
> > > Fenton, Michigan
> > > smrippe@a...
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
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> >
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566. meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-06 13:48:19 UTC
From: Norm Reger
Topic: 566 Message: 566

I have a kenwood TS-820 and the lights on the meter
display have burned out can anyone help me with info
on repairing this. thanks
Norman
KD7TQM
Belgrade Mt

=====
Norman Reger
Belgrade Mt
KD7TQM

_____
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567. Re: [TS-520_820_530_830] meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-06 16:46:09 UTC
From: Gary & Carrie Meyer
Topic: 566 Message: 567

Norm

Just changed the one on my 530. If the 820 is the same , just open the hood and the bulb is in a gromet in the back of the meter. It is a twelve volt bulb, available at Radio Shack. Just cut and solder wires with heat shrink on them and presto "light".

KCØNPJ Gary

[Non-text portions of this message have been removed]

568. Re: meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-06 16:20:16 UTC
From: Jim
Topic: 566 Message: 568

I just relamped my 820 a few weeks ago. The grommets on the 820 have two tiny holes in the back and you need to lift them straight up out of the slit in the metal frame. Unfortunately, that required removal of the front panel, which in turn required removal of the knobs. It is more tedious than difficult, but it is the only way to attempt it if you want to avoid damaging the grommets.

Radio Shack part number is 272-1092 and you will also need some shrink tubing to insulate the place you solder the wires. You can use electrical tape (like the previous owner did), but it WILL get all nasty and sticky inside.

--- In TS-520_820_530_830@yahoogroups.com, Norm Reger <staplegun_98@y...> wrote:
> I have a kenwood TS-820 and the lights on the meter
> display have burned out can anyone help me with info
> on repairing this. thanks
> Norman
> KD7TQM
> Belgrade Mt

569. lights on 820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 01:55:08 UTC
From: Norm Reger
Topic: 569 Message: 569

thanks for all your help sounds like I have a project
ahead of me
Norm
KD7TQM

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570. Re: [TS-520_820_530_830] meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 11:49:03 UTC
From: pscarr@juno.com
Topic: 566 Message: 570

Gentlemen! The whole issue of meter lamps is just Kenwoods way of begging you to go but a new rig! I can't understand why, after 30+ years of abuse these lamps fail to function. Such quality! Seriously, the aforementioned fix is correct. I use a pair of hemostats to fish the lamp and wires into the correct position. I also tape an extra couple of lamps to the inside of the lid so, next time, I don't have to go to Radio Shack. That trip is becoming a chore since most everything for ham radio is where you pay first and they ship you the part. I run a 520 and also a 520S and love them both. These rigs will go to my son AE10 and hopefully to his son who is now 12 years old. And the fun will go on!

Best 73,

Pete Carr WW3O
State College, PA

_____
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571. Re: [TS-520_820_530_830] meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 15:58:32 UTC
From: Bill
Topic: 566 Message: 571

Any 12V "grain of wheat" bulb will work, see your
local hobby shop, take the old one with you.

Just chop the red wires, leave enough to get new one
lap-soldered in with some heat shrink (PLEASE don't
use tape, really makes a mess after a while).

You may have to cut the back of the rubber grommet
off, right up to the flare, so that you have a 1/8"
hole to stick the new bulb into, if it will not fit in
using the existing 2 small wire holes.

b

--- Norm Reger <staplegun_98@...> wrote:
> I have a kenwood TS-820 and the lights on the meter
> display have burned out can anyone help me with info
> on repairing this. thanks
> Norman
> KD7TQM
> Belgrade Mt
>
> =====
> Norman Reger
> Belgrade Mt
> KD7TQM
>
> _____________________________
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572. Re: [TS-520_820_530_830] meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 15:59:42 UTC
From: Bill
Topic: 566 Message: 572

HEY THREE HAMS AGREE ON SOMETHING! QUICK, SOMEONE BUY
A LOTTO TICKET, HI!

b
--- Gary & Carrie Meyer <meyer@...> wrote:
> Norm
>
> Just changed the one on my 530. If the 820
> is the same , just open the hood and the bulb is in
> a gromet in the back of the meter. It is a twelve
> volt bulb, available at Radio Shack. Just cut and
> solder wires with heat shrink on them and presto
> "light".
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been
> removed]
>
>

=====

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573. Re: [TS-520_820_530_830] lights on 820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 17:24:57 UTC
From: Bill
Topic: 569 Message: 573

'snot that hard. get some 1/8" (unshrunk size) heat
shrink, that is the main thing...

i like lap-soldering the wires, that way the solder
joint slides right into the heat shrink tubing and
then you just hit it with the side of the soldering
iron, you done.. hardest part is taking the cover off.

b

--- Norm Reger <staplegun_98@...> wrote:
> thanks for all your help sounds like I have a
> project
> ahead of me
> Norm
> KD7TQM
>
> _____________________________________
> Do you Yahoo!?
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574. Re: [TS-520_820_530_830] meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-07 17:29:50 UTC
From: Bill
Topic: 566 Message: 574

Just lost one of my instrument lamps on my 1976 Ford
Van, original equipment (sigh).. bet the new lamp
doesn't last 28 years, hi!

bill

--- pscarr@... wrote:
> Gentlemen! The whole issue of meter lamps is just
> Kenwoods way of begging
> you to go but a new rig! I can't understand why,
> after 30+ years of abuse
> these lamps fail to function. Such quality!
> Seriously, the aforementioned
> fix is correct. I use a pair of hemostats to fish
> the lamp and wires into
> the correct position. I also tape an extra couple of
> lamps to the inside
> of the lid so, next time, I don't have to go to
> Radio Shack. That trip is
> becoming a chore since most everything for ham radio
> is where you pay
> first and they ship you the part. I run a 520 and
> also a 520S and love
> them both. These rigs will go to my son AE10 and
> hopefully to his son who
> is now 12 years old. And the fun will go on!
>
> Best 73,
>
> Pete Carr WW3O
> State College, PA
>
>

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575. ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-12 14:58:30 UTC
From: Bill Leahy
Topic: 575 Message: 575

LOTS ts-820 parts on ebay; search "ts-820*" (no quotes).

73

bill

576. Re[2]: [TS-520_820_530_830] Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-13 05:10:19 UTC
From: radionut
Topic: 522 Message: 576

---> My reply to what Bill wrote 6/9/2003 7:59:35 PM

Dang Bill, you did it now! My dial lights were fine till you went ahead
and mentioned it and now mine burned out on the main tuning dial LOL

Just because you brought the subject up!

But, glad you gave the great tip, at least it will be not as hard to
change them.

Mike

---------- Original Message -----------

Now that you found it, here's how to fithit:

You can follow the lamp leads way down into the innards of the front panel where they are soldered onto some PC pads; or, do it the technically incorrect but much easier way (which fits the amateur-repairs group standards) by cutting the wires near the old bulb (power off, of course!) and then putting on one 1/2" long piece of heat shrink on each lead of the new lamp, cutting and stripping the mating ends of the wires to about 1/4" length, tinning all four wires, and then lap-soldering them together (wires parallel, overlapping each other most of the tinned length, then run small bead of solder along them. Takes a little practice but makes a super-neat splice). Then, you know what to do with the heat shrink tubing.

Of course, if you soldered all four wires TOGETHER, it will short the lamp circuit out, but you knew that, too.

Please don't twist the leads together and then use 2" of cheap electrical tape that will, on the first hot day, melt the adhesive and ooze it all over everything and every body that gets within two feet of the radio.. that does NOT fit the amateur-repairs group standards, even if you attempt to bind the wires first with a glob of plumbing solder and a match.

(Apologies to August and Howard)

73!

Bill

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

577. Re: Re[2]: [TS-520_820_530_830] Re: Is there an easy way to do this?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-13 14:24:54 UTC
From: Bill
Topic: 522 Message: 577

Mike, what happens is, I talk about something, and
then it breaks BEFORE the contest so you can fix it
before you get into the heat of the exchange, instead
of having to stop in the middle! hehe

Oh yeah, the Lord gives me visions of stuff breaking
before it actually does. Happens at my work place all
the time; that's what makes a good maintenance
planner! hi

bill

--- radionut <radionutmike@...> wrote:
> ---> My reply to what Bill wrote 6/9/2003 7:59:35
> PM
>
> Dang Bill, you did it now! My dial lights were fine
> till you went ahead
> and mentioned it and now mine burned out on the main
> tuning dial LOL
>
> Just because you brought the subject up!
>
> But, glad you gave the great tip, at least it will
> be not as hard to
> change them.
>
>
> Mike
>
> ---------------------- Original Message
> ----------------------------
>
>
> Now that you found it, here's how to fithit:
>
> You can follow the lamp leads way down into the
> innards of the front panel where they are soldered
> onto some PC pads; or, do it the technically
> incorrect but much easier way (which fits the
> amateur-repairs group standards) by cutting the
> wires near the old bulb (power off, of course!) and
> then putting on one 1/2" long piece of heat shrink
> on each lead of the new lamp, cutting and stripping
> the mating ends of the wires to about 1/4" length,
> tinning all four wires, and then lap-soldering them

> together (wires parallel, overlapping each other
> most of the tinned length, then run small bead of
> solder along them. Takes a little practice but makes
> a super-neat splice). Then, you know what to do with
> the heat shrink tubing.
>
> Of course, if you soldered all four wires TOGETHER,
> it will short the lamp circuit out, but you knew
> that, too.
>
> Please don't twist the leads together and then use
> 2" of cheap electrical tape that will, on the first
> hot day, melt the adhesive and ooze it all over
> everything and every body that gets within two feet
> of the radio.. that does NOT fit the amateur-repairs
> group standards, even if you attempt to bind the
> wires first with a glob of plumbing solder and a
> match.
>
> (Apologies to August and Howard)
>
> 73!
>
> Bill
>
>
> [Some portions of this message may have been
> removed]
>
> ---------- Original Message Ends
> ----------
>
>
>
>

=====

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578. Re: [TS-520_820_530_830] ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-13 00:22:39 UTC
From: rwagner617@aol.com
Topic: 575 Message: 578

Hi Bill,

I'm still waiting for some of the parts I bought from jordana@nucleus in Calgary on ebay back in May? Maybe just my unlucky day, but caution is recommended.

Regards,

Bob WA6OJJ

[Non-text portions of this message have been removed]

579. TS-820s ALC.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-13 20:22:33 UTC
From: ab8pk
Topic: 579 Message: 579

Hello Everyone,
I have a TS-820S and the ALC is dropping a little upon tune-up. The power drops some also....about 10 watts on CW. A while ago while tuning up I noticed that the ALC dropped to nothing and the power dropped off substantially. This has only happened once or twice to this degree. This is all happening when tuning into a dummy load by the way. Could this be finals getting reaady to go? Your input will be greatly appreciated!

God Bless & 73,
Mike ab8pk

580. Re: [TS-520_820_530_830] ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-14 02:15:07 UTC
From: Bill
Topic: 575 Message: 580

Keep after 'em... sometimes things drop through the
cracks.

Use the feedback system as last resort.

73!

Bill

--- rwagner617@... wrote:
> Hi Bill,
>
> I'm still waiting for some of the parts I bought
> from jordana@nucleus in
> Calgary on ebay back in May? Maybe just my unlucky
> day, but caution is
> recommended.
>
> Regards,
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been
> removed]
>
>
>

=====

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581. Re: [TS-520_820_530_830] ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-14 02:24:43 UTC
From: Dale Cole
Topic: 575 Message: 581

Bob;
I had a no ship on qth.com a couple of years ago. Tracked down him by
his call and called his local sherriff. Asked for a detective and low and
behold he knew he was as soon as I mentioned his name. Had a money order
for my $150 back in my hands within a week. Seems local autorities take dim
view on getting calls about locals. Don't know what would happen
internationally but certainally worth a try.
By a non-spelling ham :)
Dale H. Cole K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Sunday, July 13, 2003 10:15:17 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] ebay ts-820 parts

Keep after 'em... sometimes things drop through the
cracks.

Use the feedback system as last resort.

73!

Bill

--- rwagner617@... wrote:
> Hi Bill,
>
> I'm still waiting for some of the parts I bought
> from jordana@nucleus in
> Calgary on ebay back in May? Maybe just my unlucky
> day, but caution is
> recommended.
>
> Regards,
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been
> removed]
>
>
>

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[Non-text portions of this message have been removed]

582. Re: [TS-520_820_530_830] TS-820s ALC.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-14 02:44:49 UTC
From: Bill
Topic: 579 Message: 582

That would be a bad driver tube.

73,

Bill

--- ab8pk <ab8pk@...> wrote:
> Hello Everyone,
> I have a TS-820S and the ALC is dropping a little
> upon tune-up. The
> power drops some also....about 10 watts on CW. A
> while ago while
> tuning up I noticed that the ALC dropped to nothing
> and the power
> dropped off substantially. This has only happened
> once or twice to
> this degree. This is all happening when tuning into
> a dummy load by
> the way. Could this be finals getting reaady to go?
> Your input will
> be greatly appreciated!
>
> God Bless & 73,
> Mike ab8pk
>
>

=====

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583. TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-15 08:40:50 UTC
From: Corky Kirk
Topic: 66 Message: 583

7-13-03
My old faithful TS-820S has thrown me another curve.

I lowered the DRIVE while on 40M to create a QRP transmission. When I tried to go back to full power, the meter did not register any DRIVE, nor output. The antenna tuner shower no output indication nor VSWR.

After turning the rig off, once again tried to establish full power condx on 40 meters with no luck.

I now have the case off, the 6146 cover off and am ready to operate. Is there a Doctor in the house?

73,
Corky W6ORS

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584. Re: [TS-520_820_530_830] TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-15 13:02:58 UTC
From: Bill
Topic: 66 Message: 584

Put that final cover back on before you get hurt! hi
hi

Question: what does the ALC indication look like, in
TUNE mode, on 40m, at full carrier setting?

What does the plate current look like in TUNE mode, NO
carrier, and then in SSB mode, no modulation?

Is the SG switch in back in the ON position? (check
this first).

Finals usually don't fail without some sort of smoke
signal.

bill
--- Corky Kirk <w6ors@...> wrote:
> 7-13-03
> My old faithful TS-820S has thrown me another curve.
>
> I lowered the DRIVE while on 40M to create a QRP
> transmission. When I tried to go back to full power,
> the meter did not register any DRIVE, nor output.
> The
> antenna tuner shower no output indication nor VSWR.
>
> After turning the rig off, once again tried to
> establish full power condx on 40 meters with no
> luck.
>
> I now have the case off, the 6146 cover off and am
> ready to operate. Is there a Doctor in the house?
>
> 73,
> Corky W6ORS
>
>
>
> _____
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585. RE: [TS-520_820_530_830] TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-15 13:20:06 UTC
From: Bob Mackie
Topic: 66 Message: 585

First thing I'd try is cleaning all of the controls, pots, and switches! Start your troubleshooting after that! Bob - N0CDY --- On Tue 07/15, Corky Kirk < w6ors@... > wrote: From: Corky Kirk [mailto: w6ors@...] To: TS-520_820_530_830@yahoogroups.com Date: Tue, 15 Jul 2003 01:40:50 -0700 (PDT) Subject: [TS-520_820_530_830] TS-820S 7-13-03
My old faithful TS-820S has thrown me another curve.

I lowered the DRIVE while on 40M to create a QRP
transmission. When I tried to go back to full power,
the meter did not register any DRIVE, nor output. The
antenna tuner shower no output indication nor VSWR.

After turning the rig off, once again tried to
establish full power condx on 40 meters with no luck.

I now have the case off, the 6146 cover off and am
ready to operate. Is there a Doctor in the house?

73,
Corky W6ORS

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---------- ----------~->

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586. re: ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-15 20:25:08 UTC
From: Dave W8NF
Topic: 575 Message: 586

Caution is a good word, but so is patience.

I mainly sell on ebay, rarely buy anything. Since
9/11 I have noticed that postal service over the
border, either direction, has gotten very spotty. So
far this year, the fastest I've seen anything move
from the US to Canada is four weeks, and I'm told that
going the other way is slower. I'm quite OK to wait,
if it means the potential of better security, and more
X-Ray type inspections.

Dave W8NF

Message: 2
Date: Sat, 12 Jul 2003 20:22:39 EDT
From: rwagner617@...
Subject: Re: ebay ts-820 parts

Hi Bill,

I'm still waiting for some of the parts I bought from
jordana@nucleus
in
Calgary on ebay back in May? Maybe just my unlucky
day, but caution is
recommended.

Regards,

Bob WA6OJJ

_____
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587. Re: [TS-520_820_530_830] re: ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-16 01:35:38 UTC
From: rwagner617@aol.com
Topic: 575 Message: 587

Just got an email on my parts he has been out with a kidney stone and has 800 emails to repond to so I guess patience is a better word...Thanks for the encouragement and the info on the Canadian shipping delays.

Regards,

Bob WA6OJJ

[Non-text portions of this message have been removed]

588. Re: [TS-520_820_530_830] re: ebay ts-820 parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-16 13:40:53 UTC
From: Bill
Topic: 575 Message: 588

Ouch! those things are nasty. The stones, not the
Canadian shipping delays, hi!

73,

Bill

--- rwagner617@... wrote:
> Just got an email on my parts he has been out with a
> kidney stone and has 800
> emails to repond to so I guess patience is a better
> word...Thanks for the
> encouragement and the info on the Canadian shipping
> delays.
>
> Regards,
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been
> removed]
>
>

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589. Gritty tuning dial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-16 15:19:21 UTC
From: Mike McGlynn
Topic: 589 Message: 589

I tend to move a lot and during the last move my ts-820 must have
gotton some dirt in the vernier dial...how do I clean it out without
damaging the movement?
thanks in advance
mike
N5ZXP

590. Re: [TS-520_820_530_830] Gritty tuning dial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-16 17:45:33 UTC
From: Bill
Topic: 589 Message: 590

A single drop of 10W-30 motor oil should float the
dirt to the outskirts of the planetary ball run..
there you should be able to remove it with FOAM tipped
applicators. Don't use "q-tips", the cotton strings
will get left behind.

b

--- Mike McGlynn <mmcglynn@...> wrote:
> I tend to move a lot and during the last move my
> ts-820 must have
> gotton some dirt in the vernier dial...how do I
> clean it out without
> damaging the movement?
> thanks in advance
> mike
> N5ZXP
>
>

=====

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_____
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591. VFO-230 cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-17 03:07:04 UTC
From: Alan W.
Topic: 591 Message: 591

I have a VFO-230 that came without the 8-pin din cable (male at each end) to connect the VFO-230 to my TS-830. Is there a cheaper place to get one than East Coast transistor Parts at $33 a pop? Are these common din plugs, or do you need to get specific size/shaped pins? Is the cable wired funny or straight-through?

Why so expensive?

Alan W. N5LF
(who's doesn't want to pay $33 for $5 in parts)

592. Re: [TS-520_820_530_830] VFO-230 cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-17 03:18:48 UTC
From: Dale Cole
Topic: 591 Message: 592

Allen;
I hear where you are coming from on price on that cable. I gave my first born for mine. Although the vfo plugs in, remember that it also gets the power from the 830. That's why you never loose your memory. It (the vfo) will also go goofy on occassion because of that. Only fix is to unplug BOTH the vfo and the vfo cable for about 10 minutes. The pins are very hard to wire and my advice is pay once up front and be done with it. I've seen only one ever go bad and that was mine! (broken wire in the cable).
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, July 16, 2003 11:06:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] VFO-230 cables

I have a VFO-230 that came without the 8-pin din cable (male at each end) to connect the VFO-230 to my TS-830. Is there a cheaper place to get one than East Coast transistor Parts at $33 a pop? Are these common din plugs, or do you need to get specific size/shaped pins? Is the cable wired funny or straight-through?

Why so expensive?

Alan W. N5LF
(who's doesn't want to pay $33 for $5 in parts)

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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.

[Non-text portions of this message have been removed]

593. Re: [TS-520_820_530_830] VFO-230 cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-17 07:16:49 UTC
From: nnn0ors@cs.com
Topic: 591 Message: 593

I replaced mine with an 8 pin mike cable/receptacle and it works like a champ. Wired the cable 1 to 1, 2 to 2 and so on.
Hope this helps es 73,
Corky W6ORS

[Non-text portions of this message have been removed]

594. meter lights

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-20 16:04:46 UTC
From: gary rose
Topic: 566 Message: 594

hi all the meter lights you can get the bulbs from maplin electronics
as well thanks

595. Retro fit a 530S for the 60 M band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-25 17:17:42 UTC
From: Geo
Topic: 595 Message: 595

hi all

I was woundering if the is still avable or could the
TS 530 S be retroed for the 60 M band.

If so is there kits for this or instructions on how to do this.

The 530 has an open area on the band seclector for added bands.

Can I get any Help Here please.

Thanks buncbes

George N3RFS

596. TS-820s... How much?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-25 17:55:08 UTC
From: ab0tj
Topic: 596 Message: 596

A local ham is offering me a TS-820s that has a bit of a transmit problem. If I were to buy it and take a stab at fixing it, how much should I offer him for it? I'm not too sure what these are worth nowadays.

Thanks and 73,
Alex AB0TJ

PS expect lots of posts from me if I buy it ;-)

597. Re: [TS-520_820_530_830] TS-820s... How much?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-26 02:24:08 UTC
From: Gary & Carrie Meyer
Topic: 596 Message: 597

Alex ABØTJ

Watch e-bay and see what the market is bringing. Usually two or three of each model on e-bay. Hope this helps.

Gary KCØNPJ

[Non-text portions of this message have been removed]

598. Re: TS-820s... How much?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-26 21:33:57 UTC
From: Jim
Topic: 596 Message: 598

Alex,

I bought one off e-Ham about three months ago for $225 including a D-104 microphone. It was 8.5/10 cosmetics and 9+ electronically. Only thing wrong was the lamps over the S-meter and that was just $2 in parts and 3 hours of swearing to fix.

I have seen them recently, represented in good condition, from a low of $200 up to silly prices. I think $200-250 is a decent price in good condition with no extras. If this one has transmit problems, you need to adjust accordingly.

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" <meyer@b...> wrote:
> Alex ABØTJ
>
> Watch e-bay and see what the market is bringing. Usually two or three of each model on e-bay. Hope this helps.
>
> Gary KCØNPJ
>
> [Non-text portions of this message have been removed]

599. TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-30 19:02:17 UTC
From: JIm Wilson
Topic: 599 Message: 599

I have just joined the ranks of those who need the 100 mfd. caps for my 830. Has anyone found a supply of these. I found an earlier reference to some dual units, but they look way big.

Any help out there?

Jim

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.502 / Virus Database: 300 - Release Date: 7/18/2003

[Non-text portions of this message have been removed]

600. R-820: standalone operation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-30 23:55:51 UTC
From: pulsepairing
Topic: 600 Message: 600

Can the R-820 be operated alone? I have only been able to get it to act as an external VFO in connection with the TS-820. But there's no frequency displayed. Does it need some sort of loopback connector, as does the TS-820?

TIA, Theo

601. Re: R-820: standalone operation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 02:04:25 UTC
From: Jim
Topic: 600 Message: 601

Yes, the R-820 can be operated as a stand-alone receiver. After much searching, I found one of these mythical beasts and will go there in the morning to complete the transaction. I will ask the owner what the trick is, he has all the original documentation.

73,
Jim de K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "pulsepairing" <tamlizard@a...> wrote:
> Can the R-820 be operated alone? I have only been able to get it to
> act as an external VFO in connection with the TS-820. But there's no
> frequency displayed. Does it need some sort of loopback connector,
> as does the TS-820?
>
> TIA, Theo

602. Anyone heard from Bill lately?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 10:21:10 UTC
From: f x
Topic: 602 Message: 602

Hi,

Have I missed a post? Is Bill on vacation or something?

Raleigh

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[Non-text portions of this message have been removed]

603. CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 18:44:30 UTC
From: Jim
Topic: 603 Message: 603

I have finally managed to acquire the rare and almost mythical R-820 receiver. It was in great shape, a decent deal, but the owner did not have the interconnect cable to hook it to the VFO port on the TS-820S. I am happy to wire up the cable, but can somebody please:

1. Tell me which connectors these are, and

2. Provide the pin-outs?

73,
Jim

604. Want to buy

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 18:48:47 UTC
From: Jim
Topic: 604 Message: 604

I just horse-traded my TS-820S for the R-820 and some other gear. If somebody has a decent TS-820 that they are looking to sell, I would be interested in hearing from you. Also looking for the SP-820, SM-220 and a microphone. Needs to be in reasonable condition, electronics more important than cosmetics.

73,
Jim

605. Re: Anyone heard from Bill lately?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 21:37:45 UTC
From: rsakabu
Topic: 602 Message: 605

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...>
wrote:
> Hi,
>
> Have I missed a post? Is Bill on vacation or something?
>
> Raleigh

I corresponded directly with him on 7/24 and I saw a post from him on
7/30 in another Yahoo group. You could always write to him directly.

606. It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 23:14:21 UTC
From: ab0tj
Topic: 606 Message: 606

OK Guys, I finally pried the 520s loose from it's former owner. I fired it up and here is a more exact description of the problem.

Tubes bias fine, HV supply is fine. Rig receives fine. But, when I flip it into Tune mode I can't get any ALC or IP reading. In USB mode, I got a tiny bit of RF out by blowing HARD into the mic. I can hear myself just fine thru the monitor circuit. The signal sounds fine on a nearby rig.

So, here's my (very non-expert) analysis. Everything is fine with the rig, but there is something wrong with the circuit that runs the tune mode. The only thing that bothers me about this idea is, shouldn't I be getting more power out than that even if the rig isn't tuned right? It's not even putting out one watt.

Any help would be appreciated. I will rip open the rig tonight and see if I can find anything. I also have the service manual so I will see if I can gain any insight from that.

73 and thanks in advance,
Alex AB0TJ

607. Re: [TS-520_820_530_830] It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 23:39:24 UTC
From: Gary & Carrie Meyer
Topic: 606 Message: 607

Check the screenvoltage switch in the back.

KCØNPJ Gary

[Non-text portions of this message have been removed]

608. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 00:19:16 UTC
From: ab0tj
Topic: 606 Message: 608

SG SW on the back is set to on. Forgot to mention, Kenwood looked this one over before I got it, but the labor to repair it was more than the rig is worth. He lost the letter from them, but said he remembers something about the audio section being amiss.

Thanks,
Alex

--- In TS-520_820_530_830@yahoogroups.com, "Gary & Carrie Meyer" <meyer@b...> wrote:
>
>
>
> Check the screenvoltage switch in the back.
>
>
KCØNPJ Gary
>
> [Non-text portions of this message have been removed]

609. Re: [TS-520_820_530_830] CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 01:58:45 UTC
From: rwagner617@aol.com
Topic: 603 Message: 609

I purchased one of the connectors at Pacific Coast Parts 1-800-421-5080.

Stock Number KE-05-0901-05 (TS-820 9P VFO P) at $5.04 each plus $4.95 shipping and handling. ouch!!

I don't have a source for the cable. Probably an 8 conductor mic cable with one shielded wire will be fine.

I'll look for the pin out info and get back to you. Last resort I can open my cable. Try the internet for info.

Bob WA6OJJ

[Non-text portions of this message have been removed]

610. lokking for a ts-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 23:46:09 UTC
From: michel_02904
Topic: 610 Message: 610

if anyone someone with a ts-520 for sale please let me know
thank you.

611. Re: [TS-520_820_530_830] Re: R-820: standalone operation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-07-31 23:48:42 UTC
From: g3yrq@ntlworld.com
Topic: 600 Message: 611

> If anyone is interested LOWE at matlock derbyshire, UK
may still have the R-820 service manual..73 de ian g3yrq
>

Email provided by http://www.ntlhome.com/

[Non-text portions of this message have been removed]

612. Re: [TS-520_820_530_830] It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 02:14:44 UTC
From: Bill
Topic: 606 Message: 612

What does it do in CW mode? I suppose your carrier
control is all the way up.

Make sure the SG switch in the back is ON. This will
switch the final screen voltage from plus 220 to minus
120 and that shuts the PA down.

You may have also lost the screen voltage to the
tubes. In USB transmit, measure from the tube screens
on pin 3 of each tube, back through the 100 ohm
resistors that are soldered to the tube base pins.

If the tube screen V is ok, and PA bias current can be
run up past about 150 mils with the BIAS control, then
you may have either a bad driver tube or bad driver
tube plate or screen supply.

bill
--- ab0tj <pi_3_141@...> wrote:
> OK Guys, I finally pried the 520s loose from it's
> former owner. I
> fired it up and here is a more exact description of
> the problem.
>
> Tubes bias fine, HV supply is fine. Rig receives
> fine. But, when I
> flip it into Tune mode I can't get any ALC or IP
> reading. In USB
> mode, I got a tiny bit of RF out by blowing HARD
> into the mic. I can
> hear myself just fine thru the monitor circuit. The
> signal sounds
> fine on a nearby rig.
>
> So, here's my (very non-expert) analysis. Everything
> is fine with the
> rig, but there is something wrong with the circuit
> that runs the tune
> mode. The only thing that bothers me about this idea
> is, shouldn't I
> be getting more power out than that even if the rig
> isn't tuned
> right? It's not even putting out one watt.
>
> Any help would be appreciated. I will rip open the
> rig tonight and

> see if I can find anything. I also have the service
> manual so I will
> see if I can gain any insight from that.
>
> 73 and thanks in advance,
> Alex AB0TJ
>
>

=====

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613. Re: [TS-520_820_530_830] It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 02:15:35 UTC
From: Bill
Topic: 606 Message: 613

BTW
--- Gary & Carrie Meyer <meyer@...> wrote:
>
>
>
> Check the screenvoltage switch in the back.
>
> KC?NPJ
> Gary
>
> [Non-text portions of this message have been
> removed]
>
>

=====

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614. Re: [TS-520_820_530_830] It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 02:17:42 UTC
From: Bill
Topic: 606 Message: 614

Whoops fat fingerd the TX button on that last one:

BTW the SG switch is a great "grandkids" switch... you
can let them play with the rig, without transmitting.
Also at FD or other "field" situation, the SG switch
can save you from a melt down if the PTT button gets
switched on accidently.

You can also turn it into a QRP (with lower screen V)
or a QRO switch if you want.

I would like to have screen voltage controlled via a
pot if I had one of these rigs...

73,

Bill

--- Gary & Carrie Meyer <meyer@...> wrote:
>
>
>
> Check the screenvoltage switch in the back.
>
> KC?NPJ
> Gary
>
> [Non-text portions of this message have been
> removed]
>
>

=====

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615. Re: CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 08:55:38 UTC
From: Jim
Topic: 603 Message: 615

Bob,

Thanks for the info on the 9P lug, but the one I am really curious about is the other end! Where it attaches to the R-820, the connector is rectangular in shape with two rows of holes. It sort of looks like a cross between an RS-232 female and a Centronics parallel.

Each row has a set of six holes, a small gap, then three more for a total of 18 total. The holes in the connector are elongated (maybe I should call them slots) and are set on a 45 degree angle. The end of the connector housing has a notch at each end similar to a parallel printer port, presumably to receive a spring clip that holds the cable connector in place.

If it helps, I can make a digital photo and upload it to the group. Does anybody know what this is?

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, rwagner617@a... wrote:
> I purchased one of the connectors at Pacific Coast Parts 1-800-421-5080.
>
> Stock Number KE-05-0901-05 (TS-820 9P VFO P) at $5.04 each plus $4.95
> shipping and handling. ouch!!
>
> I don't have a source for the cable. Probably an 8 conductor mic cable with
> one shielded wire will be fine.
>
> I'll look for the pin out info and get back to you. Last resort I can open my
> cable. Try the internet for info.
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been removed]

616. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 09:26:42 UTC
From: ab0tj
Topic: 606 Message: 616

In CW mode it's the same, a signal but nothing that would make it thru the coax.

Yep, SG switch is on. Would that be the easiest way to check if there is screen voltage, by tweaking the bias to see if it would go over 150?

Not sure if my DMM would hold up to testing that voltage directly, would it be AC or DC? My DMM says it will do 1000VDC/750VAC MAX. If I remeber right, the tubes get 900v?

Thanks,
Alex

PS- Still need to crack open the service manual here. It's been a long night. Time for bed. At least I opened up the rig finally.

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> What does it do in CW mode? I suppose your carrier
> control is all the way up.
>
> Make sure the SG switch in the back is ON. This will
> switch the final screen voltage from plus 220 to minus
> 120 and that shuts the PA down.
>
> You may have also lost the screen voltage to the
> tubes. In USB transmit, measure from the tube screens
> on pin 3 of each tube, back through the 100 ohm
> resistors that are soldered to the tube base pins.
>
> If the tube screen V is ok, and PA bias current can be
> run up past about 150 mils with the BIAS control, then
> you may have either a bad driver tube or bad driver
> tube plate or screen supply.
>
> bill
> --- ab0tj <pi_3_141@h...> wrote:
> > OK Guys, I finally pried the 520s loose from it's
> > former owner. I
> > fired it up and here is a more exact description of
> > the problem.
> >
> > Tubes bias fine, HV supply is fine. Rig receives
> > fine. But, when I
> > flip it into Tune mode I can't get any ALC or IP

> > reading. In USB
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> > into the mic. I can
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> > fine on a nearby rig.
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> > So, here's my (very non-expert) analysis. Everything
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> > Any help would be appreciated. I will rip open the
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> > 73 and thanks in advance,
> > Alex AB0TJ
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617. Re: [TS-520_820_530_830] Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 13:04:47 UTC
From: Bill
Topic: 606 Message: 617

Alex, stay off the plate voltage, hi! You can assume
that if the rig is on, it's there. Plus I think you
can check it with the meter on the rig in TX.

Yes, if plate idle current goes to 150ma plus, you
have good screen supply. I like to see at least 150,
prefer to see 175.

bill

--- ab0tj <pi_3_141@...> wrote:
> In CW mode it's the same, a signal but nothing that
> would make it
> thru the coax.
>
> Yep, SG switch is on. Would that be the easiest way
> to check if there
> is screen voltage, by tweaking the bias to see if it
> would go over
> 150?
>
> Not sure if my DMM would hold up to testing that
> voltage directly,
> would it be AC or DC? My DMM says it will do
> 1000VDC/750VAC MAX. If I
> remeber right, the tubes get 900v?
>
> Thanks,
> Alex
>
> PS- Still need to crack open the service manual
> here. It's been a
> long night. Time for bed. At least I opened up the
> rig finally.
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > What does it do in CW mode? I suppose your carrier
> > control is all the way up.
> >
> > Make sure the SG switch in the back is ON. This
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> > switch the final screen voltage from plus 220 to
> minus

> > 120 and that shuts the PA down.
> >
> > You may have also lost the screen voltage to the
> > tubes. In USB transmit, measure from the tube
> screens
> > on pin 3 of each tube, back through the 100 ohm
> > resistors that are soldered to the tube base pins.
> >
> > If the tube screen V is ok, and PA bias current
> can be
> > run up past about 150 mils with the BIAS control,
> then
> > you may have either a bad driver tube or bad
> driver
> > tube plate or screen supply.
> >
> > bill
> > --- ab0tj <pi_3_141@h...> wrote:
> > > OK Guys, I finally pried the 520s loose from
> it's
> > > former owner. I
> > > fired it up and here is a more exact description
> of
> > > the problem.
> > >
> > > Tubes bias fine, HV supply is fine. Rig receives
> > > fine. But, when I
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> IP
> > > reading. In USB
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> > > hear myself just fine thru the monitor circuit.
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> > > isn't tuned
> > > right? It's not even putting out one watt.

> > >
> > > Any help would be appreciated. I will rip open
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> > > see if I can find anything. I also have the
> service
> > > manual so I will
> > > see if I can gain any insight from that.
> > >
> > > 73 and thanks in advance,
> > > Alex AB0TJ
> > >
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618. Re: [TS-520_820_530_830] Re: CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 13:24:45 UTC
From: Dale Cole
Topic: 603 Message: 618

Sounds like the same cable that is used for the TV502 and TV506 Transverters
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Friday, August 01, 2003 04:55:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: CQ Parts Experts

Bob,

Thanks for the info on the 9P lug, but the one I am really curious
about is the other end! Where it attaches to the R-820, the
connector is rectangular in shape with two rows of holes. It sort
of looks like a cross between an RS-232 female and a Centronics
parallel.

Each row has a set of six holes, a small gap, then three more for a
total of 18 total. The holes in the connector are elongated (maybe
I should call them slots) and are set on a 45 degree angle. The end
of the connector housing has a notch at each end similar to a
parallel printer port, presumably to receive a spring clip that
holds the cable connector in place.

If it helps, I can make a digital photo and upload it to the group.
Does anybody know what this is?

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, rwagner617@a... wrote:
> I purchased one of the connectors at Pacific Coast Parts 1-800-421-
5080.
>
> Stock Number KE-05-0901-05 (TS-820 9P VFO P) at $5.04 each plus
$4.95
> shipping and handling. ouch!!
>
> I don't have a source for the cable. Probably an 8 conductor mic
cable with
> one shielded wire will be fine.
>
> I'll look for the pin out info and get back to you. Last resort I
can open my
> cable. Try the internet for info.
>

> Bob WA6OJJ
>
>
> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

619. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 20:54:38 UTC
From: ab0tj
Topic: 606 Message: 619

Bingo! IP will only go upto about 140 while idling. So, I'm not
getiing screen voltage somewhere?

Thanks,
Alex

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Alex, stay off the plate voltage, hi! You can assume
> that if the rig is on, it's there. Plus I think you
> can check it with the meter on the rig in TX.
>
> Yes, if plate idle current goes to 150ma plus, you
> have good screen supply. I like to see at least 150,
> prefer to see 175.
>
> bill
>
> --- ab0tj <pi_3_141@h...> wrote:
> > In CW mode it's the same, a signal but nothing that
> > would make it
> > thru the coax.
> >
> > Yep, SG switch is on. Would that be the easiest way
> > to check if there
> > is screen voltage, by tweaking the bias to see if it
> > would go over
> > 150?
> >
> > Not sure if my DMM would hold up to testing that
> > voltage directly,
> > would it be AC or DC? My DMM says it will do
> > 1000VDC/750VAC MAX. If I
> > remeber right, the tubes get 900v?
> >
> > Thanks,
> > Alex
> >
> > PS- Still need to crack open the service manual
> > here. It's been a
> > long night. Time for bed. At least I opened up the
> > rig finally.
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill

> > <coorsbill@y...>
> > wrote:
> > > What does it do in CW mode? I suppose your carrier
> > > control is all the way up.
> > >
> > > Make sure the SG switch in the back is ON. This
> > will
> > > switch the final screen voltage from plus 220 to
> > minus
> > > 120 and that shuts the PA down.
> > >
> > > You may have also lost the screen voltage to the
> > > tubes. In USB transmit, measure from the tube
> > screens
> > > on pin 3 of each tube, back through the 100 ohm
> > > resistors that are soldered to the tube base pins.
> > >
> > > If the tube screen V is ok, and PA bias current
> > can be
> > > run up past about 150 mils with the BIAS control,
> > then
> > > you may have either a bad driver tube or bad
> > driver
> > > tube plate or screen supply.
> > >
> > > bill
> > > --- ab0tj <pi_3_141@h...> wrote:
> > > > OK Guys, I finally pried the 520s loose from
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> > > > former owner. I
> > > > fired it up and here is a more exact description
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> > > > the problem.
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> > > > signal sounds
> > > > fine on a nearby rig.
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> > > > rig, but there is something wrong with the

> > circuit
> > > > that runs the tune
> > > > mode. The only thing that bothers me about this
> > idea
> > > > is, shouldn't I
> > > > be getting more power out than that even if the
> > rig
> > > > isn't tuned
> > > > right? It's not even putting out one watt.
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> > > > rig tonight and
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> > service
> > > > manual so I will
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> > > >
> > > > 73 and thanks in advance,
> > > > Alex AB0TJ
> > > >
> > > >
> > >
> > >
> > > =====
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620. Re: CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 21:45:43 UTC
From: Jim
Topic: 603 Message: 620

Thanks Dale. Do you know what these connectors are called and where
I can order one?

73,
Jim K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...>
wrote:
> Sounds like the same cable that is used for the TV502 and TV506
Transverters
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Friday, August 01, 2003 04:55:45 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: CQ Parts Experts
>
> Bob,
>
> Thanks for the info on the 9P lug, but the one I am really curious
> about is the other end! Where it attaches to the R-820, the
> connector is rectangular in shape with two rows of holes. It sort
> of looks like a cross between an RS-232 female and a Centronics
> parallel.
>
> Each row has a set of six holes, a small gap, then three more for
a
> total of 18 total. The holes in the connector are elongated
(maybe
> I should call them slots) and are set on a 45 degree angle. The
end
> of the connector housing has a notch at each end similar to a
> parallel printer port, presumably to receive a spring clip that
> holds the cable connector in place.
>
> If it helps, I can make a digital photo and upload it to the
group.
> Does anybody know what this is?
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> 73,
> Jim
>
>

>
> --- In TS-520_820_530_830@yahoogroups.com, rwagner617@a... wrote:
> > I purchased one of the connectors at Pacific Coast Parts 1-800-
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> >
> > Stock Number KE-05-0901-05 (TS-820 9P VFO P) at $5.04 each plus
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> > I don't have a source for the cable. Probably an 8 conductor
mic
> cable with
> > one shielded wire will be fine.
> >
> > I'll look for the pin out info and get back to you. Last resort
I
> can open my
> > cable. Try the internet for info.
> >
> > Bob WA6OJJ
> >
> >
> > [Non-text portions of this message have been removed]
>
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Service.
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>
> [Non-text portions of this message have been removed]

621. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 21:53:03 UTC
From: ab0tj
Topic: 606 Message: 621

Doh! I wrote 520s in the subject line, but it's a 820s.

73,
Alex

--- In TS-520_820_530_830@yahoogroups.com, "ab0tj" <pi_3_141@h...>
wrote:
> Bingo! IP will only go upto about 140 while idling. So, I'm not
> getiing screen voltage somewhere?
>
> Thanks,
> Alex
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
> wrote:
> > Alex, stay off the plate voltage, hi! You can assume
> > that if the rig is on, it's there. Plus I think you
> > can check it with the meter on the rig in TX.
> >
> > Yes, if plate idle current goes to 150ma plus, you
> > have good screen supply. I like to see at least 150,
> > prefer to see 175.
> >
> > bill
> >
> > --- ab0tj <pi_3_141@h...> wrote:
> > > In CW mode it's the same, a signal but nothing that
> > > would make it
> > > thru the coax.
> > >
> > > Yep, SG switch is on. Would that be the easiest way
> > > to check if there
> > > is screen voltage, by tweaking the bias to see if it
> > > would go over
> > > 150?
> > >
> > > Not sure if my DMM would hold up to testing that
> > > voltage directly,
> > > would it be AC or DC? My DMM says it will do
> > > 1000VDC/750VAC MAX. If I
> > > remeber right, the tubes get 900v?
> > >
> > > Thanks,
> > > Alex

> > >
> > > PS- Still need to crack open the service manual
> > > here. It's been a
> > > long night. Time for bed. At least I opened up the
> > > rig finally.
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > > <coorsbill@y...>
> > > wrote:
> > > > What does it do in CW mode? I suppose your carrier
> > > > control is all the way up.
> > > >
> > > > Make sure the SG switch in the back is ON. This
> > > will
> > > > switch the final screen voltage from plus 220 to
> > > minus
> > > > 120 and that shuts the PA down.
> > > >
> > > > You may have also lost the screen voltage to the
> > > > tubes. In USB transmit, measure from the tube
> > > screens
> > > > on pin 3 of each tube, back through the 100 ohm
> > > > resistors that are soldered to the tube base pins.
> > > >
> > > > If the tube screen V is ok, and PA bias current
> > > can be
> > > > run up past about 150 mils with the BIAS control,
> > > then
> > > > you may have either a bad driver tube or bad
> > > driver
> > > > tube plate or screen supply.
> > > >
> > > > bill
> > > > --- ab0tj <pi_3_141@h...> wrote:
> > > > > OK Guys, I finally pried the 520s loose from
> > > it's
> > > > > former owner. I
> > > > > fired it up and here is a more exact description
> > > of
> > > > > the problem.
> > > > >
> > > > > Tubes bias fine, HV supply is fine. Rig receives
> > > > > fine. But, when I
> > > > > flip it into Tune mode I can't get any ALC or
> > > IP
> > > > > reading. In USB
> > > > > mode, I got a tiny bit of RF out by blowing HARD
> > > > > into the mic. I can
> > > > > hear myself just fine thru the monitor circuit.

> > > The
> > > > > signal sounds
> > > > > fine on a nearby rig.
> > > > >
> > > > > So, here's my (very non-expert) analysis.
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> > > > > that runs the tune
> > > > > mode. The only thing that bothers me about this
> > > idea
> > > > > is, shouldn't I
> > > > > be getting more power out than that even if the
> > > rig
> > > > > isn't tuned
> > > > > right? It's not even putting out one watt.
> > > > > >
> > > > > Any help would be appreciated. I will rip open
> > > the
> > > > > rig tonight and
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> > > service
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> > > > > >
> > > > > 73 and thanks in advance,
> > > > > Alex AB0TJ
> > > > > >
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622. R-820 Connector

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-01 22:36:03 UTC
From: Jim
Topic: 622 Message: 622

For those kind folks trying to help me figure out what connector I need, I have uploaded a digital photo of the beast to the Photos Section of this site.

73,
Jim

623. Re: [TS-520_820_530_830] Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-02 12:31:38 UTC
From: Bill
Topic: 606 Message: 623

If the screen voltage goes away you would have NO idle
current.

Make sure you know where the plate hi voltage is under
the rig before you start measuring the screen voltage.

I am thinking you have a combination of worn out
finals, driver and alignment issues.

bill

--- ab0tj <pi_3_141@...> wrote:
> Bingo! IP will only go upto about 140 while idling.
> So, I'm not
> getiing screen voltage somewhere?
>
> Thanks,
> Alex
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Alex, stay off the plate voltage, hi! You can
> assume
> > that if the rig is on, it's there. Plus I think
> you
> > can check it with the meter on the rig in TX.
> >
> > Yes, if plate idle current goes to 150ma plus,
> you
> > have good screen supply. I like to see at least
> 150,
> > prefer to see 175.
> >
> > bill
> >
> > --- ab0tj <pi_3_141@h...> wrote:
> > > In CW mode it's the same, a signal but nothing
> that
> > > would make it
> > > thru the coax.
> > >
> > > Yep, SG switch is on. Would that be the easiest
> way
> > > to check if there

> > > is screen voltage, by tweaking the bias to see
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> > > would go over
> > > 150?
> > >
> > > Not sure if my DMM would hold up to testing that
> > > voltage directly,
> > > would it be AC or DC? My DMM says it will do
> > > 1000VDC/750VAC MAX. If I
> > > remeber right, the tubes get 900v?
> > >
> > > Thanks,
> > > Alex
> > >
> > > PS- Still need to crack open the service manual
> > > here. It's been a
> > > long night. Time for bed. At least I opened up
> the
> > > rig finally.
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > > <coorsbill@y...>
> > > wrote:
> > > > What does it do in CW mode? I suppose your
> carrier
> > > > control is all the way up.
> > > >
> > > > Make sure the SG switch in the back is ON.
> This
> > > will
> > > > switch the final screen voltage from plus 220
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> > > > You may have also lost the screen voltage to
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> > > > tubes. In USB transmit, measure from the tube
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> > > > on pin 3 of each tube, back through the 100
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> > > > resistors that are soldered to the tube base
> pins.
> > > >
> > > > If the tube screen V is ok, and PA bias
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> > > can be
> > > > run up past about 150 mils with the BIAS
> control,

> > > then
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> > > > tube plate or screen supply.
> > > >
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> > > > > OK Guys, I finally pried the 520s loose from
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> > > > > mode, I got a tiny bit of RF out by blowing
> HARD
> > > > > into the mic. I can
> > > > > hear myself just fine thru the monitor
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> > > The
> > > > > signal sounds
> > > > > fine on a nearby rig.
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> > > > > see if I can gain any insight from that.
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> > > > > 73 and thanks in advance,
> > > > > Alex AB0TJ
> > > > >
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624. Re: R-820 Connector

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-02 18:25:39 UTC
From: pulsepairing
Topic: 622 Message: 624

The connector that mates with that is a Hirose Electric P-1316-CTA.
The other end of the interconnect cable is a 9 pin male circular
connector like those used on small tubes.

Here's how the TS-820 to R-820 interconnect cable is assembled
("tube" connector pins are numbered clockwise, looking at male
(cable) connector)--

Tube Hirose
----- -------
1 1 (coax signal)
2 9 (coax shield)
3 14
4 --
5 4
6 11
7 6
8 12
9 13

For standalone operation of the TS-820, there's a plug in shorting
connector that connects pins 8 and 9 (again, on the male connector as
indicated above).

--Theo

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> For those kind folks trying to help me figure out what connector I
> need, I have uploaded a digital photo of the beast to the Photos
> Section of this site.
>
> 73,
> Jim

625. Re: R-820 Connector

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-02 19:35:53 UTC
From: Jim
Topic: 622 Message: 625

Theo,

I don't know where you came up with this info, but I really
appreciate it!!! I assume I use a piece of thin coax for the RF
portion and any standard 6 conductor copper cable for the rest?

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "pulsepairing"
<tamlizard@a...> wrote:
> The connector that mates with that is a Hirose Electric P-1316-
CTA.
> The other end of the interconnect cable is a 9 pin male circular
> connector like those used on small tubes.
>
> Here's how the TS-820 to R-820 interconnect cable is assembled
> ("tube" connector pins are numbered clockwise, looking at male
> (cable) connector)--
>
> Tube Hirose
> ----- -------
> 1 1 (coax signal)
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> 3 14
> 4 --
> 5 4
> 6 11
> 7 6
> 8 12
> 9 13
>
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> connector that connects pins 8 and 9 (again, on the male connector
as
> indicated above).
>
> --Theo
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> > For those kind folks trying to help me figure out what connector
I
> > need, I have uploaded a digital photo of the beast to the Photos

> > Section of this site.
> >
> > 73,
> > Jim

626. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-02 22:04:53 UTC
From: ab0tj
Topic: 606 Message: 626

Hmm... So, new tubes throughout and an alignment?

Strange, I have idle current in USB but not Tune. Probably more than tubes/alignment, I'd think (?).

Thanks again,
ALex

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> If the screen voltage goes away you would have NO idle
> current.
>
> Make sure you know where the plate hi voltage is under
> the rig before you start measuring the screen voltage.
>
> I am thinking you have a combination of worn out
> finals, driver and alignment issues.
>
> bill
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> > Thanks,
> > Alex
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> > > Yes, if plate idle current goes to 150ma plus,
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> > > prefer to see 175.
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> > >
> > > --- ab0tj <pi_3_141@h...> wrote:
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627. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-02 22:10:18 UTC
From: ab0tj
Topic: 606 Message: 627

Also, in CW mode, it puts out a signal that shows up as S9+40 in my other rig, but in tune, no IP reading, but an S7 signal in the other rig. I'm assuming that's just because tune is supposed to have less power out. The point is, some signal is coming out either way.

Thanks,
Alex

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> If the screen voltage goes away you would have NO idle
> current.
>
> Make sure you know where the plate hi voltage is under
> the rig before you start measuring the screen voltage.
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> I am thinking you have a combination of worn out
> finals, driver and alignment issues.
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> > Bingo! IP will only go upto about 140 while idling.
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> > getiing screen voltage somewhere?
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> > Thanks,
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628. Re: [TS-520_820_530_830] Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 00:03:45 UTC
From: Bill
Topic: 606 Message: 628

Yes, tubes.

TUNE mode reduces the screen voltage to save the tubes
in case of a problem... should be no idle current.

b

--- ab0tj <pi_3_141@...> wrote:
> Hmm... So, new tubes throughout and an alignment?
>
> Strange, I have idle current in USB but not Tune.
> Probably more than
> tubes/alignment, I'd think (?).
>
> Thanks again,
> ALex
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629. Re: It Begins... (TS-520s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 03:58:33 UTC
From: ab0tj
Topic: 606 Message: 629

I'll see if I can find someone with a tube tester and check that out.

73,
Alex AB0TJ

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
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> TUNE mode reduces the screen voltage to save the tubes
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> > > > > > > > hear myself just fine thru the monitor
> > > > > circuit.
> > > > > > The
> > > > > > > > signal sounds
> > > > > > > > fine on a nearby rig.
> > > > > > > > >
> > > > > > > > So, here's my (very non-expert)
> > analysis.
> > > > > > Everything
> > > > > > > > is fine with the
> > > > > > > > rig, but there is something wrong with
> > the
> > > > > > circuit
> > > > > > > > that runs the tune
> > > > > > > > mode. The only thing that bothers me
> > about
> > > > > this
> > > > > > idea
> > > > > > > > is, shouldn't I
> > > > > > > > be getting more power out than that even
> > if
> > > > > the
> > > > > > rig

> > > > > > > > isn't tuned
> > > > > > > > > right? It's not even putting out one
> > watt.
> > > > > > > > >
> > > > > > > > > Any help would be appreciated. I will
> > rip
> > > > > open
> > > > > > > the
> > > > > > > > > rig tonight and
> > > > > > > > > see if I can find anything. I also have
> > the
> > > > > > service
> > > > > > > > > manual so I will
> > > > > > > > > see if I can gain any insight from that.
> > > > > > > > >
> > > > > > > > > 73 and thanks in advance,
> > > > > > > > > Alex AB0TJ
> > > > > > > > >
> > > > > > > > >
> > > > > > > >
> > > > > > > >
> > >
> === message truncated ===
>
>
> =====
>
> see our website www.amateur-repairs.com
>
>
> _____
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> http://sitebuilder.yahoo.com

630. narrow ssb mod for Kenwood 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 14:40:35 UTC
From: David A. Echols
Topic: 630 Message: 630

Does anyone know of a ssb filter mod for a Kenwood 820s ... I'd like to make mine much more narrow. 73's David

631. 830s power level & other questions from a newbie

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 14:45:49 UTC
From: Scott Jacobsen
Topic: 631 Message: 631

From a newbie

I have an 830s which is running fine, but now that I'm getting more acquainted with it I have some questions. One is, how do I lower the power if I need to? The manual only seems to give information on peaking it. I notice that the carrier control seems to do this, but I'm not sure that's the way it should go.

Is there a "QRP setting" for this rig?

Last (for now), how is bandwidth set on this machine?

Thanks for the help,

Scott
VA3SLJ

632. Re: [TS-520_820_530_830] 830s power level & other questions from a newbie

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 15:04:03 UTC
From: Dale Cole
Topic: 631 Message: 632

Scott;
To reduce pwr detent the "load control". There is no QRP setting. Your bandwith can be set using both the notch control and IF shift. If you add the optional filters you can further the narrow the band with. I suggest that you only use the 500khz filters as the 270khz can cause excessive ringing. You can use both the 8.3 and 455 filters at the same time. Or cascade them. The INRC filters seem to be a better filter over the KW, but are a little more expensive.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Sunday, August 03, 2003 10:46:33 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 830s power level & other questions from a newbie

From a newbie

I have an 830s which is running fine, but now that I'm getting more acquainted with it I have some questions. One is, how do I lower the power if I need to? The manual only seems to give information on peaking it. I notice that the carrier control seems to do this, but I'm not sure that's the way it should go.

Is there a "QRP setting" for this rig?

Last (for now), how is bandwidth set on this machine?

Thanks for the help,

Scott
VA3SLJ

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[Non-text portions of this message have been removed]

633. Re: It Begins... (TS-820s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 18:33:58 UTC
From: ab0tj
Topic: 606 Message: 633

After a bit of fooling around with the rig (receiving and trying TX every once-and-awhile), the power out on CW is now up to 2 watts and the idle current can go all the way up to 160. Does this mean anything other than it's just been stored too long?

Thanks and 73,
Alex

634. Coax specs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 20:35:50 UTC
From: Jim
Topic: 634 Message: 634

Thanks to Theo, I have managed to locate the connector I need to fabricate a transceive cable to connect my TS-820 and my R-820. It looks like eight of the pins on the VFO socket are used, one blank.

Two of the pins are for the signal and related shield. Is there a certain type of coax I should use for this (or avoid)? How about the other six conductors? If I am looking at the schematic correctly, the other six are all switch connections so I would think any decent quality copper wire would do.

73,
Jim

635. Re: [TS-520_820_530_830] narrow ssb mod for Kenwood 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-03 20:49:03 UTC
From: Gary & Carrie Meyer
Topic: 630 Message: 635

David,

I just got one from VECTRONICS that has four different settings. It is a kit and I am not done with it yet, only $19.95 plus shipping. Not hard to put together either. I will let you know if it works when I finish it. I should have it done in the next couple of days.

KCØNPJ Gary

[Non-text portions of this message have been removed]

636. ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 01:27:16 UTC
From: Dale Cole K9TTT
Topic: 636 Message: 636

Just a heads up--We all use ebay from time to time and I have recieved two messages needing to update my account or limit my trading. Ebay has comfirmed that one is fictious and I jsut forwarded the other to them. If you have any doubts forward the message with all headers to spoof@...
Dale K9TTT

637. Re: Coax specs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 05:14:41 UTC
From: pulsepairing
Topic: 634 Message: 637

Glad to help, Jim. The original interconnect cable is
labelled "Shinko Densen 1977" and is just an unshielded bundle of 20
gauge wires, together with that piece of thin coax. I don't know its
impedance. --Theo

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> Thanks to Theo, I have managed to locate the connector I need to
> fabricate a transceive cable to connect my TS-820 and my R-820. It
> looks like eight of the pins on the VFO socket are used, one blank.
>
> Two of the pins are for the signal and related shield. Is there a
> certain type of coax I should use for this (or avoid)? How about
> the other six conductors? If I am looking at the schematic
> correctly, the other six are all switch connections so I would
think
> any decent quality copper wire would do.
>
> 73,
> Jim

638. Re: [TS-520_820_530_830] narrow ssb mod for Kenwood 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 12:48:15 UTC
From: Bill
Topic: 630 Message: 638

Check with International Radio, you will like the 2.1

bill

--- "David A. Echols" <dechols@...> wrote:
> Does anyone know of a ssb filter mod for a Kenwood
> 820s ... I'd like
> to make mine much more narrow. 73's David
>
>

=====

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639. Re: [TS-520_820_530_830] 830s power level & other questions from a newbie

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 12:51:17 UTC
From: Bill
Topic: 631 Message: 639

Tx bandwidth is set via the 8.8Mhz filter BW, same as
on receive.

no QRP setting unless you want to mess with the screen
voltage taps to the SG switch on the back.

The SG switch when OFF switches the PA screens to the
negative bias supply of -105 volts, shutting off the
tubes for transverter use. You can re-wire that to
about 50-60 volts, obtained via voltage divider
network, to reduce power. Not a trivial task.

another way is to inject a 0-9 volt negative voltage
on the ALC connection in the back from a 9v battery
and pot; I have not tried this.

Enjoy the 830, they are still great rigs!

bill K0ZL
--- Scott Jacobsen <scottj@...> wrote:
> From a newbie
>
> I have an 830s which is running fine, but now that
> I'm getting more
> acquainted with it I have some questions. One is,
> how do I lower the power
> if I need to? The manual only seems to give
> information on peaking it. I
> notice that the carrier control seems to do this,
> but I'm not sure that's
> the way it should go.
>
> Is there a "QRP setting" for this rig?
>
> Last (for now), how is bandwidth set on this
> machine?
>
> Thanks for the help,
>
> Scott
> VA3SLJ
>
>

=====

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640. Re: [TS-520_820_530_830] Re: It Begins... (TS-820s)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 12:53:24 UTC
From: Bill
Topic: 606 Message: 640

Lack of drive to the finals.

Don't do the 160ma for very long!

bill

--- ab0tj <pi_3_141@...> wrote:
> After a bit of fooling around with the rig
> (receiving and trying TX
> every once-and-awhile), the power out on CW is now
> up to 2 watts and
> the idle current can go all the way up to 160. Does
> this mean
> anything other than it's just been stored too long?
>
> Thanks and 73,
> Alex
>
>

=====

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641. Re: [TS-520_820_530_830] ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 13:13:27 UTC
From: Bill
Topic: 636 Message: 641

right on Dale!

PT was right, there is one born every minute. Just
think if the pirates can get ONE response a day...

bill

--- Dale Cole K9TTT <k9ttt@...> wrote:
> Just a heads up--We all use ebay from time to time
> and I have
> recieved two messages needing to update my account
> or limit my
> trading. Ebay has comfirmed that one is fictious
> and I jsut
> forwarded the other to them. If you have any doubts
> forward the
> message with all headers to spoof@...
> Dale K9TTT
>
>

=====

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642. Re: ts-830s qrp / lower power

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-04 21:20:10 UTC
From: james27613@att.net
Topic: 642 Message: 642

hi,

http://www.mods.dk/ has an external
mod for ts-520 qrp.

I use this on my ts-530 - 6v to pin 6 on din
and + 6v to ground. (and on my 520 too !)

great for psk31, sstv and tentec transveters.

73 james

643. Re: [TS-520_820_530_830] ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 01:23:17 UTC
From: DW
Topic: 636 Message: 643

What concerns me re: ebay & radio gear is that it
seems relatively few of the sellers are hams.

I've seen a number of items that appear to be junk
going for very inflated prices.

Personally, I prefer to buy from either other members
of my listgroups, or ham owned/operated classifieds.

Just my $.02

As always, caveat emptor.

WYB
--- Dale Cole K9TTT <k9ttt@...> wrote:
> Just a heads up--We all use ebay from time to time
> and I have
> recieved two messages needing to update my account
> or limit my
> trading. Ebay has comfirmed that one is fictious
> and I jsut
> forwarded the other to them. If you have any doubts
> forward the
> message with all headers to spoof@...
> Dale K9TTT
>
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DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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644. Re: [TS-520_820_530_830] ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 02:04:30 UTC
From: Bill
Topic: 636 Message: 644

Both approaches work for me.

Best is cash at the local hamfest, get there first
thing and skim the floor, handshakes and coffee can
wait! hi

bill

--- DW <andersonradioactivity@...> wrote:
> What concerns me re: ebay & radio gear is that it
> seems relatively few of the sellers are hams.
>
> I've seen a number of items that appear to be junk
> going for very inflated prices.
>
> Personally, I prefer to buy from either other
> members
> of my listgroups, or ham owned/operated classifieds.
>
> Just my $.02
>
> As always, caveat emptor.
>
> WYB
> --- Dale Cole K9TTT <k9ttt@...> wrote:
> > Just a heads up--We all use ebay from time to time
> > and I have
> > recieved two messages needing to update my account
> > or limit my
> > trading. Ebay has comfirmed that one is fictious
> > and I jsut
> > forwarded the other to them. If you have any
> doubts
> > forward the
> > message with all headers to spoof@...
> > Dale K9TTT
> >
> >
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>
>
> =====
> DW White
>
> 73 & Semper Fi, KE6WYB, Anderson, Shasta County,
> CA, Grid CN80, Sacramento Valley Section
>
> The LORD Is My Rock
> <><And My Fortress
> ><>And My Deliverer Psalm 18:2
>
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645. Re: [TS-520_820_530_830] TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 13:28:09 UTC
From: Bill
Topic: 599 Message: 645

JIM I NEED THE DIAMETERS OF THESE

B

--- JIm Wilson <w5mhl@...> wrote:
> I have just joined the ranks of those who need the
> 100 mfd. caps for my
> 830. Has anyone found a supply of these. I found
> an earlier reference to
> some dual units, but they look way big.
>
> Any help out there?
>
> Jim
>
> ----------
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system
> (http://www.grisoft.com).
> Version: 6.0.502 / Virus Database: 300 - Release
> Date: 7/18/2003
>
>
> [Non-text portions of this message have been
> removed]
>
>

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646. Re: ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 17:17:05 UTC
From: Robert WE4B
Topic: 636 Message: 646

I agree, the prices on e-bay are sometimes crazy. But, on the other hand. When you set your stuff out at a hamfest, so many make crazy offers on equipment! "I'll give you $50 for that 520, it has a knick on the cover!" Yea, right! I just put a Fox tango filter for an TS820 on E-bay because I want to get the most for it! If I took it to a free flea or hamfest I would never get anything for it. E-bay has it's place in todays amateur radio world. I think thats why hamfests are hurting and not able to be what they were just 10 years ago. I'm really sorry to see that. I like going to just meet other hams, the forums and of course pick up that $50 TS-820 with the scrach on the top! Hi Hi and
73

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Both approaches work for me.
>
> Best is cash at the local hamfest, get there first
> thing and skim the floor, handshakes and coffee can
> wait! hi
>
> bill
>
> --- DW <andersonradioactivity@y...> wrote:
> > What concerns me re: ebay & radio gear is that it
> > seems relatively few of the sellers are hams.
> >
> > I've seen a number of items that appear to be junk
> > going for very inflated prices.
> >
> > Personally, I prefer to buy from either other
> > members
> > of my listgroups, or ham owned/operated classifieds.
> >
> > Just my $.02
> >
> > As always, caveat emptor.
> >
> > WYB
> > --- Dale Cole K9TTT <k9ttt@e...> wrote:
> > > Just a heads up--We all use ebay from time to time
> > > and I have
> > > recieved two messages needing to update my account
> > > or limit my
> > > trading. Ebay has comfirmed that one is fictious

> > > and I jsut
> > > forwarded the other to them. If you have any
> > doubts
> > > forward the
> > > message with all headers to spoof@e...
> > > Dale K9TTT
> > >
> > >
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> >
> > 73 & Semper Fi, KE6WYB, Anderson, Shasta County,
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> > The LORD Is My Rock
> > <><And My Fortress
> > ><>And My Deliverer Psalm 18:2
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647. need picture for group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 18:27:21 UTC
From: Bill Leahy
Topic: 647 Message: 647

Anyone have a picture that they would like to see posted on our group "splash" page?

Can be any of our four models that we cover.

Send to me direct (group won't allow attachments).

Please, no obvious shock or fire hazard pics.. some of our members are highly impressionable! hi.

Thanks!

648. Re: [TS-520_820_530_830] Re: ebay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 18:32:41 UTC
From: Bill
Topic: 636 Message: 648

Ya... agree.

But, when I need a filter or tube or whatever like
NOW, can't wait for hamfest... ebay is still best.

Had guy wanting an AM filter for his 430... was going
to pay IRC for one, ended up paying me a bit more than
half and that was after my mark-up! So it definitely
has it's place.

Always remember, ebay is capitalism at work; supply
and demand... Prices are high because people want that
item. Barring high reserves and other such things,
what you see a radio go for is the EQUILIBRIUM
price... that is, the amount was exactly at that point
where the UTILITY of the buyer's money was exceeded by
the UTILITY of the item... then the trade happened.

Ever see the movie, A Beautiful Mind?

73

bill

--- Robert WE4B <hamradio@...> wrote:
> I agree, the prices on e-bay are sometimes crazy.
> But, on the other
> hand. When you set your stuff out at a hamfest, so
> many make crazy
> offers on equipment! "I'll give you $50 for that
> 520, it has a knick
> on the cover!" Yea, right! I just put a Fox tango
> filter for an TS820
> on E-bay because I want to get the most for it! If I
> took it to a
> free flea or hamfest I would never get anything for
> it. E-bay has it's
> place in todays amateur radio world. I think thats
> why hamfests are
> hurting and not able to be what they were just 10
> years ago. I'm
> really sorry to see that. I like going to just meet
> other hams, the
> forums and of course pick up that $50 TS-820 with
> the scrach on the
> top! Hi Hi and
> 73

>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Both approaches work for me.
> >
> > Best is cash at the local hamfest, get there first
> > thing and skim the floor, handshakes and coffee
> can
> > wait! hi
> >
> > bill
> >
> > --- DW <andersonradioactivity@y...> wrote:
> > > What concerns me re: ebay & radio gear is that
> it
> > > seems relatively few of the sellers are hams.
> > >
> > > I've seen a number of items that appear to be
> junk
> > > going for very inflated prices.
> > >
> > > Personally, I prefer to buy from either other
> > > members
> > > of my listgroups, or ham owned/operated
> classifieds.
> > >
> > > Just my $.02
> > >
> > > As always, caveat emptor.
> > >
> > > WYB
> > > --- Dale Cole K9TTT <k9ttt@e...> wrote:
> > > > Just a heads up--We all use ebay from time to
> time
> > > > and I have
> > > > recieved two messages needing to update my
> account
> > > > or limit my
> > > > trading. Ebay has comfirmed that one is
> fictious
> > > > and I jsut
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> > > doubts
> > > > forward the
> > > > message with all headers to spoof@e...
> > > > Dale K9TTT
> > > >
> > > >
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> > > >
> > > > =====
> > > > DW White
> > > >
> > > > 73 & Semper Fi, KE6WYB, Anderson, Shasta
> County,
> > > > CA, Grid CN80, Sacramento Valley Section
> > > >
> > > > The LORD Is My Rock
> > > > <><And My Fortress
> > > > ><>And My Deliverer Psalm 18:2
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649. RE: [TS-520_820_530_830] need picture for group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 18:49:47 UTC
From: bill stevenson
Topic: 647 Message: 649

Hi Bill,
don't know if this is the kind of pic you are after, both in my shack
the TS530S is my main rig and thats my ugly mug shot in the other one
operating
the said rig a couple of months ago.

73 de Bill G4KKI

-----Original Message-----
From: Bill Leahy [mailto:coorsbill@...]
Sent: 05 August 2003 18:27
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] need picture for group!

Anyone have a picture that they would like to see posted on our
group "splash" page?

Can be any of our four models that we cover.

Send to me direct (group won't allow attachments).

Please, no obvious shock or fire hazard pics.. some of our members
are highly impressionable! hi.

Thanks!

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

650. RE: [TS-520_820_530_830] need picture for group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-05 18:54:53 UTC
From: bill stevenson
Topic: 647 Message: 650

Sorry gang,
sent the last email to the group by mistake

Bill G4KKI

-----Original Message-----
From: bill stevenson [mailto:g4kki.bill@...]
Sent: 05 August 2003 18:50
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] need picture for group!

Hi Bill,
don't know if this is the kind of pic you are after, both in my shack
the TS530S is my main rig and thats my ugly mug shot in the other one
operating
the said rig a couple of months ago.

73 de Bill G4KKI

-----Original Message-----
From: Bill Leahy [mailto:coorsbill@...]
Sent: 05 August 2003 18:27
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] need picture for group!

Anyone have a picture that they would like to see posted on our
group "splash" page?

Can be any of our four models that we cover.

Send to me direct (group won't allow attachments).

Please, no obvious shock or fire hazard pics.. some of our members
are highly impressionable! hi.

Thanks!

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[Non-text portions of this message have been removed]

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651. Photos--thanks!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-06 03:34:34 UTC
From: Bill Leahy
Topic: 651 Message: 651

Thanks to Peter Weinzettl for the dynamite montage of Kenwood rigs..
Very nice artwork and effects!

Also thanks to Bill G4KKI for your submissions; I will upload the
pictures to "members photos". If you have any pictures to share,
don't hesitate to upload them!

Very 73,

Bill K0ZL.

652. Re: [TS-520_820_530_830] TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-06 22:08:59 UTC
From: Jim Wilson
Topic: 599 Message: 652

The original 100 mfd, filter capacitors in the TS-830 are 1.375 D x 2.3.75
H. The best replacement that I have found is a Mallory computer grade
capacitor that is 1.375 D x 2.125 H. It has screw terminals and an
insulated case and can use the original mounting clamp.
It is Mallory p.n. CGS101T450R2C, Mouser p.n. 539-CGS450V100.

I found other 100x450v by brands that I am unfamiliar with, but have
trusted the Mallory for many,many years. Also the dimensions are in its favor.
I measure about 470v unloaded, but hope that being "computer grade" the
peak 525v rating will be adequate.

Hope this helps those in need,

Jim, W%MHL

At 06:28 AM 8/5/2003 -0700, you wrote:

>JIM I NEED THE DIAMETERS OF THESE
>
>B
>
>--- JIm Wilson <w5mhl@...> wrote:
> > I have just joined the ranks of those who need the
> > 100 mfd. caps for my
> > 830. Has anyone found a supply of these. I found
> > an earlier reference to
> > some dual units, but they look way big.
> >
> > Any help out there?
> >
> > Jim
> >
> > ----------
> >
> >
> > ---
> > Outgoing mail is certified Virus Free.
> > Checked by AVG anti-virus system
> > (http://www.grisoft.com).
> > Version: 6.0.502 / Virus Database: 300 - Release
> > Date: 7/18/2003
> >
> >
> > [Non-text portions of this message have been
> > removed]
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>=====
>
>see our website www.amateur-repairs.com
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>http://sitebuilder.yahoo.com
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>
>To unsubscribe from this group, send an email to:
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>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>---
>Incoming mail is certified Virus Free.
>Checked by AVG anti-virus system (http://www.grisoft.com).
>Version: 6.0.505 / Virus Database: 302 - Release Date: 7/30/2003

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.505 / Virus Database: 302 - Release Date: 7/30/2003

[Non-text portions of this message have been removed]

653. Re: [TS-520_820_530_830] TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-07 12:35:33 UTC
From: Bill
Topic: 599 Message: 653

C90-0327-05 DIGIKEY P7453-ND MAIN C18, C19 2
CAPACITOR, ELEC 150uF 500WV RADIAL 62.5x36mm
2-23/64"x1-29/64

You can also use these from Digikey; they have solder
tabs and are very short! Scary at first to see these
little things in there but they do work fine. The
diameter is the same as stock caps.

bill

--- Jim Wilson <w5mhl@...> wrote:
> The original 100 mfd, filter capacitors in the
> TS-830 are 1.375 D x 2.3.75
> H. The best replacement that I have found is a
> Mallory computer grade
> capacitor that is 1.375 D x 2.125 H. It has screw
> terminals and an
> insulated case and can use the original mounting
> clamp.
> It is Mallory p.n. CGS101T450R2C, Mouser p.n.
> 539-CGS450V100.
>
> I found other 100x450v by brands that I am
> unfamiliar with, but have
> trusted the Mallory for many,many years. Also the
> dimensions are in its favor.
> I measure about 470v unloaded, but hope that being
> "computer grade" the
> peak 525v rating will be adequate.
>
> Hope this helps those in need,
>
> Jim, W%MHL
>
>
> At 06:28 AM 8/5/2003 -0700, you wrote:
>
> >JIM I NEED THE DIAMETERS OF THESE
> >
> >B
> >
> >--- JIm Wilson <w5mhl@...> wrote:
> > > I have just joined the ranks of those who need
> the
> > > 100 mfd. caps for my

> > > 830. Has anyone found a supply of these. I
> found
> > > an earlier reference to
> > > some dual units, but they look way big.
> > >
> > > Any help out there?
> > >
> > > Jim
> > >
> > > ----------
> > >
> > >
> > > ---
> > > Outgoing mail is certified Virus Free.
> > > Checked by AVG anti-virus system
> > > (http://www.grisoft.com).
> > > Version: 6.0.502 / Virus Database: 300 - Release
> > > Date: 7/18/2003
> > >
> > >
> > > [Non-text portions of this message have been
> > > removed]
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> >=====
> >
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> >
> >To unsubscribe from this group, send an email to:
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> >---

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> Date: 7/30/2003
>
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> [Non-text portions of this message have been
> removed]
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654. Re: [TS-520_820_530_830] TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-07 15:38:19 UTC
From: Gary & Carrie Meyer
Topic: 599 Message: 654

Bill

How do they get so much capacity in such a small can.

KCØNPJ Gary

[Non-text portions of this message have been removed]

655. Re: [TS-520_820_530_830] TS- 830 Filter caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-07 20:29:48 UTC
From: Bill
Topic: 599 Message: 655

It's the FM principle! hehe

"funny magic"....

Latest materials and manuf. controls I guess... I keep
waiting for the owner to call me and tell me they blew
up, so far so good!

b

--- Gary & Carrie Meyer <meyer@...> wrote:
> Bill
>
> How do they get so much capacity in such a
> small can.
>
> KC?NPJ
> Gary
>
> [Non-text portions of this message have been
> removed]
>
>

=====

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656. Shasta County California Hamfest Tomorrow

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-08 18:09:18 UTC
From: DW
Topic: 656 Message: 656

Hello all,

Please forgive the cross-posting.

Sorry for the late notice, but I just heard about this
event.

There is a VE Exam/Hamfest/Swap Meet tomorrow, 08/09,
at Anderson River Park in Anderson, CA. Anderson is
located about 10 miles south of Redding off I-5.

For details, go to www.qsl.net/arca

I'm not a member of either club involved, but as I
live only two miles from the event, as wasn't aware of
it until now, I just thought that I'd spread the word

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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657. Re: [TS-520_820_530_830] CQ Parts Experts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-08 23:58:22 UTC
From: Bill
Topic: 603 Message: 657

Bob, thanks for the numbers!

bill

--- rwagner617@... wrote:
> I purchased one of the connectors at Pacific Coast
> Parts 1-800-421-5080.
>
> Stock Number KE-05-0901-05 (TS-820 9P VFO P) at
> $5.04 each plus $4.95
> shipping and handling. ouch!!
>
> I don't have a source for the cable. Probably an 8
> conductor mic cable with
> one shielded wire will be fine.
>
> I'll look for the pin out info and get back to you.
> Last resort I can open my
> cable. Try the internet for info.
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been
> removed]
>
>

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658. TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 11:17:52 UTC
From: robjaw1
Topic: 658 Message: 658

Started on me last night, when in rcv, say 7.2610, everything seems fine, then when going to transmit the VFO jumps to 7.2613. Same thing happens with External VFO, getting a slight jump in output freq. Im sure this has to be a simple adjustment of something, but where to start?

Thanks
Rob
KB3JZG

659. difference between standard and 'S' designation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 08:52:11 UTC
From: Dave Jarick
Topic: 659 Message: 659

Howdy, I'm just wondering what the difference between the 820 and the 830 is.(I have an 820) Can I download and use the service manual for the 830s, or is there too much difference? Or will it cover the earlier model(with references)? Thanks.

660. Re: [TS-520_820_530_830] difference between standard and 'S' designation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 12:59:47 UTC
From: Bill
Topic: 659 Message: 660

DAy and night. Apples and oranges. Shitzus (sp?) and
Shepards. You get the idea..

Find svc man for the 820, search ebay "kenwood service
ts*" or something like that.

My opinion: the 830 is the better rig, from
servicability and reliability standpoints. Also
performance, the 830 had better IF unit, quieter
VFO/PLL system, and of course, smaller footprint.

b

--- Dave Jarick <vk4mid@...> wrote:
> Howdy, I'm just wondering what the difference
> between the 820 and the
> 830 is.(I have an 820) Can I download and use the
> service manual for
> the 830s, or is there too much difference? Or will
> it cover the
> earlier model(with references)? Thanks.
>
>
>

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661. Re: [TS-520_820_530_830] difference between standard and 'S' designation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 12:44:19 UTC
From: Uwe Sievers
Topic: 659 Message: 661

Hello Dave,
why so complicate? Download the manual from
www.mods.dk

you will find both for the 820 and for the 830..
there are too much differences between the 2 models... so use the rught service manual
Uwe DJ9XG

On 11 Aug 2003 at 8:52, Dave Jarick wrote:

Howdy, I'm just wondering what the difference between the 820 and the
830 is.(I have an 820) Can I download and use the service manual for
the 830s, or is there too much difference? Or will it cover the
earlier model(with references)? Thanks.

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[Non-text portions of this message have been removed]

662. Re: [TS-520_820_530_830] TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 13:28:43 UTC
From: Bill
Topic: 658 Message: 662

you will need to look at the RIT/XIT circuits, make
sure that you are not getting a DC shift on these when
RIT/XIT is OFF. Also the front panel switches may be
intermittant; jiggling them may cause the problem to
change.

Take covers off and reproduce the problem, then gently
push on all the wiring harnesses and connectors
between the signal boards (stay away from the power
supply, please! hi)... also, tap on the T/R relays..
these also control T/R voltages and may have an
effect.

bill

--- robjaw1 <robjaw1@...> wrote:
> Started on me last night, when in rcv, say 7.2610,
> everything seems
> fine, then when going to transmit the VFO jumps to
> 7.2613. Same thing
> happens with External VFO, getting a slight jump in
> output freq. Im
> sure this has to be a simple adjustment of
> something, but where to
> start?
>
> Thanks
> Rob
> KB3JZG
>
>

=====

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663. Re: [TS-520_820_530_830] TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 13:29:39 UTC
From: Dale Cole
Topic: 658 Message: 663

Disconnect ur external vfo from the rig, and unplug the vfo from the 110
plug. Wait about 10 minutes and reconnect and your problem should be solved
This is not an uncommon problem and is even doc'ed in the VFO-230 manual.
(Last page)
Good Luck!
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Monday, August 11, 2003 07:18:28 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-820S TX freq trouble

Started on me last night, when in rcv, say 7.2610, everything seems
fine, then when going to transmit the VFO jumps to 7.2613. Same thing
happens with External VFO, getting a slight jump in output freq. Im
sure this has to be a simple adjustment of something, but where to
start?

Thanks
Rob
KB3JZG

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[Non-text portions of this message have been removed]

664. Re: [TS-520_820_530_830] TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 19:05:41 UTC
From: Robert WE4B
Topic: 658 Message: 664

Make sure that your rit is not nudged a little. So when you
transmit that is the real frequency.

robjaw1 wrote:

> Started on me last night, when in rcv, say 7.2610, everything seems
> fine, then when going to transmit the VFO jumps to 7.2613. Same thing
> happens with External VFO, getting a slight jump in output freq. Im
> sure this has to be a simple adjustment of something, but where to
> start?
>
> Thanks
> Rob
> KB3JZG
>
>
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> <http://rd.yahoo.com/M=259395.3614674.4902533.1261774/D=egroupweb/S=1705063108:HM/A=1524
963/R=0/SIG=12o885gmo/*http://hits.411web.com/cgi-bin/autoredir?camp=556&lineid=3614674&pr
op=egroupweb&pos=HM>
>
>
>
> To unsubscribe from this group, send an email to:
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>
>
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> <http://docs.yahoo.com/info/terms/>.

--
....
Robert Broderick, WE4B
Fort Lauderdale, Florida
hamradio@...
Palmetto Amateur Radio Club Vice President
Club Web Page: http://www.qsl.net/palmetto/
IRLP SKYWARN Net Web Page: http://www.qsl.net/sflskywarn/
Palmetto Amateur Radio Club 146.850 MHz Repeater Trustee
IRLP Node 7740 - Fort Lauderdale/North Miami
Palmetto Amateur Radio Club 442.250 MHz Repeater Control Operator
IRLP Node 4022 - Fort Lauderdale/North Miami
QCWA, RACES/ARES, SKYWARN, Red Cross Communications,
IRLP / EchoLink Liaison for WX4NHC at the
National Hurricane Center in Miami, Florida

.....
"What we've got here is a failure to communicate"
From the novel COOL HAND LUKE by Donn Pearce

665. Re: TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 19:33:58 UTC
From: robjaw1
Topic: 658 Message: 665

The rit was off on both the TS820 and the external VFO,
The transmit freq went up when either I tried using the internal
or the external VFO.

I will try to uplug everything and disconnect when I get home
and then wait 10 and try everything again on it.
Will let everyone know what happens... Hope that does the trick!

Thanks!
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Robert WE4B
<hamradio@b...> wrote:
> Make sure that your rit is not nudged a little. So when you
> transmit that is the real frequency.
>
> robjaw1 wrote:
>
> > Started on me last night, when in rcv, say 7.2610, everything
seems
> > fine, then when going to transmit the VFO jumps to 7.2613. Same
thing
> > happens with External VFO, getting a slight jump in output freq.
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> > sure this has to be a simple adjustment of something, but where to
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> > Rob
> > KB3JZG
> >
> >
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<http://rd.yahoo.com/M=259395.3614674.4902533.1261774/D=egroupweb/S=17
05063108:HM/A=1524963/R=0/SIG=12o885gmo/*http://hits.411web.com/cgi-
bin/autoredir?camp=556&lineid=3614674&prop=egroupweb&pos=HM>
> >
> >
> >
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>
> --
> ....
.
> Robert Broderick, WE4B
> Fort Lauderdale, Florida
> hamradio@b...
> Palmetto Amateur Radio Club Vice President
> Club Web Page: http://www.qsl.net/palmetto/
> IRLP SKYWARN Net Web Page: http://www.qsl.net/sflskywarn/
> Palmetto Amateur Radio Club 146.850 MHz Repeater Trustee
> IRLP Node 7740 - Fort Lauderdale/North Miami
> Palmetto Amateur Radio Club 442.250 MHz Repeater Control Operator
> IRLP Node 4022 - Fort Lauderdale/North Miami
> QCWA, RACES/ARES, SKYWARN, Red Cross Communications,
> IRLP / EchoLink Liaison for WX4NHC at the
> National Hurricane Center in Miami, Florida
> ....
.
> "What we've got here is a failure to communicate"
> From the novel COOL HAND LUKE by Donn Pearce

666. Re: TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 21:23:48 UTC
From: robjaw1
Topic: 658 Message: 666

OK, I unpluged the vfo cable, removed ac, waited 10, set everything back up, now on LSB, works fine, with or without the external VFO, now though... When I goto CW, and tune up or whatever I notice that I move up the band by 800hz. Rit is off, I can either have the external VFO plugged in, or I can put the jumper plug in, same thing. If I have RCV set at 7.2610, I goto CW, and move to send, I now have 7.2618. Is there something I am missing on this unit? Im new at this so PLEASE bear with me! LSB and USB seem to be working fine now, but the CW doesnt seem quite right to me now.It might have always been like that and I just never noticed until I started actually using the radio..... I hope it is just me and not something to the radio......

Thanks!
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...> wrote:
> Disconnect ur external vfo from the rig, and unplug the vfo from the 110
> plug. Wait about 10 minutes and reconnect and your problem should be solved
> This is not an uncommon problem and is even doc'ed in the VFO-230 manual.
> (Last page)
> Good Luck!
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Monday, August 11, 2003 07:18:28 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-820S TX freq trouble
>
> Started on me last night, when in rcv, say 7.2610, everything seems
> fine, then when going to transmit the VFO jumps to 7.2613. Same thing
> happens with External VFO, getting a slight jump in output freq. Im
> sure this has to be a simple adjustment of something, but where to
> start?
>
> Thanks
> Rob
> KB3JZG

>
>
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>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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Service.
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>
> [Non-text portions of this message have been removed]

667. Re: [TS-520_820_530_830] Re: TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 21:38:58 UTC
From: Dave Hurst
Topic: 658 Message: 667

It is doing what it is supposed to do on CW.
Dave VE6DDT

robjaw1 <robjaw1@...> wrote:
OK, I unpluged the vfo cable, removed ac, waited 10, set everything back up, now on LSB, works fine, with or without the external VFO, now though... When I goto CW, and tune up or whatever I notice that I move up the band by 800hz. Rit is off, I can either have the external VFO plugged in, or I can put the jumper plug in, same thing. If I have RCV set at 7.2610, I goto CW, and move to send, I now have 7.2618. Is there something I am missing on this unit? Im new at this so PLEASE bear with me! LSB and USB seem to be working fine now, but the CW doesnt seem quite right to me now.It might have always been like that and I just never noticed until I started actually using the radio..... I hope it is just me and not something to the radio......

Thanks!
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...> wrote:
> Disconnect ur external vfo from the rig, and unplug the vfo from the 110
> plug. Wait about 10 minutes and reconnect and your problem should be solved
> This is not an uncommon problem and is even doc'ed in the VFO-230 manual.
> (Last page)
> Good Luck!
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Monday, August 11, 2003 07:18:28 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-820S TX freq trouble
>
> Started on me last night, when in rcv, say 7.2610, everything seems
> fine, then when going to transmit the VFO jumps to 7.2613. Same thing
> happens with External VFO, getting a slight jump in output freq. Im
> sure this has to be a simple adjustment of something, but where to
> start?
>

> Thanks
> Rob
> KB3JZG
>
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668. Re: TS-820S TX freq trouble-Thanks Dave!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 22:04:47 UTC
From: robjaw1
Topic: 658 Message: 668

Thank you Dave for your help on this!!

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Dave Hurst <ve6ddt@y...>
wrote:
> It is doing what it is supposed to do on CW.
> Dave VE6DDT
>
> robjaw1 <robjaw1@y...> wrote:
> OK, I unpluged the vfo cable, removed ac, waited 10, set everything
> back up, now on LSB, works fine, with or without the external VFO,
> now though... When I goto CW, and tune up or whatever I notice that
I
> move up the band by 800hz. Rit is off, I can either have the
external
> VFO plugged in, or I can put the jumper plug in, same thing. If I
> have RCV set at 7.2610, I goto CW, and move to send, I now have
> 7.2618. Is there something I am missing on this unit? Im new at
this
> so PLEASE bear with me! LSB and USB seem to be working fine now,
but
> the CW doesnt seem quite right to me now.It might have always been
> like that and I just never noticed until I started actually using
the
> radio..... I hope it is just me and not something to the radio......
>
> Thanks!
> Rob
> KB3JZG
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...>
> wrote:
> > Disconnect ur external vfo from the rig, and unplug the vfo from
> the 110
> > plug. Wait about 10 minutes and reconnect and your problem
should
> be solved
> > This is not an uncommon problem and is even doc'ed in the VFO-
230
> manual.
> > (Last page)
> > Good Luck!

> > Dale K9TTT
> >
> > -------Original Message-------
> >
> > From: TS-520_820_530_830@yahoogroups.com
> > Date: Monday, August 11, 2003 07:18:28 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] TS-820S TX freq trouble
> >
> > Started on me last night, when in rcv, say 7.2610, everything
seems
> > fine, then when going to transmit the VFO jumps to 7.2613. Same
> thing
> > happens with External VFO, getting a slight jump in output freq.
Im
> > sure this has to be a simple adjustment of something, but where
to
> > start?
> >
> > Thanks
> > Rob
> > KB3JZG
> >
> >
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> >
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669. While we are on the subject of the TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 22:18:56 UTC
From: robjaw1
Topic: 669 Message: 669

I went over all the tuning procedures, have the antenna set properly with my AT-200 showing 1.2 swr, now my question is can I really expect to be putting out 200watts PEP on LSB, and will this unit put out 160 on CW, because the meter is telling me that I am only putting out 110 to 120 watts. I know the tubes are good, I had checked them when I first bought the rcvr.

Thanks
Rob
KB3JZG

670. Re: [TS-520_820_530_830] Re: TS-820S TX freq trouble

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 22:26:59 UTC
From: Bill
Topic: 658 Message: 670

800 hz offset on CW tx is normal. The 820 shows the
TX shift; newer rigs do not, even though it still
happens.

When you tune a CW station so that they give a 800hz
tone and you were to transmit without a CWT offset,
you would be zero beat to them (ie 800hz off) and they
would not hear you. The offset is necessary so that
your signal is lined up with theirs. PS if you tune a
guy on CW so that their "note" in your speaker matches
the tone of your own CW sidetone (hint; tap the key
once), you will be "zero beat" to them, with your 800
hz offset; they will have much better chance of
hearing you, even with narrow filters on their end.

b
--- robjaw1 <robjaw1@...> wrote:
> OK, I unpluged the vfo cable, removed ac, waited 10,
> set everything
> back up, now on LSB, works fine, with or without the
> external VFO,
> now though... When I goto CW, and tune up or
> whatever I notice that I
> move up the band by 800hz. Rit is off, I can either
> have the external
> VFO plugged in, or I can put the jumper plug in,
> same thing. If I
> have RCV set at 7.2610, I goto CW, and move to send,
> I now have
> 7.2618. Is there something I am missing on this
> unit? Im new at this
> so PLEASE bear with me! LSB and USB seem to be
> working fine now, but
> the CW doesnt seem quite right to me now.It might
> have always been
> like that and I just never noticed until I started
> actually using the
> radio..... I hope it is just me and not something to
> the radio......
>
> Thanks!
> Rob
> KB3JZG
>
>

> --- In TS-520_820_530_830@yahoogroups.com, "Dale
> Cole" <k9ttt@e...>
> wrote:
> > Disconnect ur external vfo from the rig, and
> unplug the vfo from
> the 110
> > plug. Wait about 10 minutes and reconnect and
> your problem should
> be solved
> > This is not an uncommon problem and is even
> doc'ed in the VFO-230
> manual.
> > (Last page)
> > Good Luck!
> > Dale K9TTT
> >
> > -------Original Message-------
> >
> > From: TS-520_820_530_830@yahoogroups.com
> > Date: Monday, August 11, 2003 07:18:28 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] TS-820S TX freq
> trouble
> >
> > Started on me last night, when in rcv, say 7.2610,
> everything seems
> > fine, then when going to transmit the VFO jumps to
> 7.2613. Same
> thing
> > happens with External VFO, getting a slight jump
> in output freq. Im
> > sure this has to be a simple adjustment of
> something, but where to
> > start?
> >
> > Thanks
> > Rob
> > KB3JZG
> >
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671. Re: [TS-520_820_530_830] Re: TS-820S TX freq trouble-Thanks Dave!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 22:27:52 UTC
From: Bill
Topic: 658 Message: 671

No fair, Dave gave the SHORT ANSWER... Waaahhhhh!

bill

--- robjaw1 <robjaw1@...> wrote:
> Thank you Dave for your help on this!!
>
> Rob
> KB3JZG
>
> --- In TS-520_820_530_830@yahoogroups.com, Dave
> Hurst <ve6ddt@y...>
> wrote:
> > It is doing what it is supposed to do on CW.
> > Dave VE6DDT
> >

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672. Re: TS-820S TX freq trouble-Thanks Dave! & BILL!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-11 23:09:24 UTC
From: robjaw1
Topic: 658 Message: 672

Sorry Bill!
Your answer explained it to me, and I REALLY do appreciate that!
I was just happy that it wasnt my radio, just me!
And that dave just told me to uplug everything and not have to open
that radio up!

I Hope when I hit the net tonight, I will have it right this time!

Thanks Bill!!
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> No fair, Dave gave the SHORT ANSWER... Waaahhhhh!
>
> bill
>
> --- robjaw1 <robjaw1@y...> wrote:
> > Thank you Dave for your help on this!!
> >
> > Rob
> > KB3JZG
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Dave
> > Hurst <ve6ddt@y...>
> > wrote:
> > > It is doing what it is supposed to do on CW.
> > > Dave VE6DDT
> > >
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673. Re: [TS-520_820_530_830] While we are on the subject of the TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 01:23:55 UTC
From: Bill
Topic: 669 Message: 673

The 820 was rated in plate INPUT power. The difference
you see is because most 820's show an efficiency
(output to input) of 65-70 percent max.

100-125 is to be expected, less on ten meters unless
you have fresh finals, and 120vac line

bill

--- robjaw1 <robjaw1@...> wrote:
> I went over all the tuning procedures, have the
> antenna set properly
> with my AT-200 showing 1.2 swr, now my question is
> can I really
> expect to be putting out 200watts PEP on LSB, and
> will this unit put
> out 160 on CW, because the meter is telling me that
> I am only putting
> out 110 to 120 watts. I know the tubes are good, I
> had checked them
> when I first bought the rcvr.
>
> Thanks
> Rob
> KB3JZG
>
>
>
>

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674. Re: [TS-520_820_530_830] Re: TS-820S TX freq trouble-Thanks Dave! & BILL!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 01:26:45 UTC
From: Bill
Topic: 658 Message: 674

You are welcome. Yes Dave and the group really do
care about you and your enjoyment and understanding of
your "new" rig.

The older tube radios are just a bit different than
the solid state rigs, and take a bit more skill to
tune up and operate. Cool, huh?

Wait til you try Drake twins or Collins set up... or a
Heathkit Marauder and matching receiver; so many
knobs, you could spend all night just tuning up! har

ps what net: when, where?

73,

Bill

--- robjaw1 <robjaw1@...> wrote:
> Sorry Bill!
> Your answer explained it to me, and I REALLY do
> appreciate that!
> I was just happy that it wasnt my radio, just me!
> And that dave just told me to uplug everything and
> not have to open
> that radio up!
>
> I Hope when I hit the net tonight, I will have it
> right this time!
>
> Thanks Bill!!
> Rob
> KB3JZG
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > No fair, Dave gave the SHORT ANSWER... Waaahhhhh!
> >
> > bill
> >
> > --- robjaw1 <robjaw1@y...> wrote:
> > > Thank you Dave for your help on this!!
> > >

> > > Rob
> > > KB3JZG
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Dave
> > > Hurst <ve6ddt@y...>
> > > wrote:
> > > > It is doing what it is supposed to do on CW.
> > > > Dave VE6DDT
> > > >
> >
> >
> > =====
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675. Re: TS-820S TX freq trouble-Thanks Dave! & BILL!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 11:23:45 UTC
From: robjaw1
Topic: 658 Message: 675

You are right Bill,
I looked at some of the newer rigs, and couldnt
bring myself to spending that much money for a bunch
of stuff I am never going to use, besides, I like tubes! :-)
Helps to keep the "shack" a little warmer also.

I have just started to listen and talk with the 1721 group
on 7.2610 during the evening hours. They have quite a few
people checking in there. Very nice group of people!

It will take me awhile to figure everything out on the TS820S,
but I think it is one cool looking radio, and seems to me it sounds
quite good. I think I am getting the hang of tuning it in now.

I also want to start working on a TS700SP I bought and see if I can
get that going, seems it just needs a good cleaning out and maybe
some no-ox on the connectors, and the VFO is a little skidish, but
sounds good. I am almost ready to give up on that FT-227 I have, I
cant seem to get pased zero on its display, that might be a cold
winter project....

Thanks for a great group.
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> You are welcome. Yes Dave and the group really do
> care about you and your enjoyment and understanding of
> your "new" rig.
>
> The older tube radios are just a bit different than
> the solid state rigs, and take a bit more skill to
> tune up and operate. Cool, huh?
>
> Wait til you try Drake twins or Collins set up... or a
> Heathkit Marauder and matching receiver; so many
> knobs, you could spend all night just tuning up! har
>
> ps what net: when, where?
>
> 73,
>
> Bill
>
> --- robjaw1 <robjaw1@y...> wrote:

> > Sorry Bill!
> > Your answer explained it to me, and I REALLY do
> > appreciate that!
> > I was just happy that it wasnt my radio, just me!
> > And that dave just told me to uplug everything and
> > not have to open
> > that radio up!
> >
> > I Hope when I hit the net tonight, I will have it
> > right this time!
> >
> > Thanks Bill!!
> > Rob
> > KB3JZG
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > <coorsbill@y...>
> > wrote:
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> > > bill
> > >
> > > --- robjaw1 <robjaw1@y...> wrote:
> > > > Thank you Dave for your help on this!!
> > > >
> > > > Rob
> > > > KB3JZG
> > > >
> > > > --- In TS-520_820_530_830@yahoogroups.com, Dave
> > > > Hurst <ve6ddt@y...>
> > > > wrote:
> > > > > It is doing what it is supposed to do on CW.
> > > > > Dave VE6DDT
> > > > >
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> > >
> > > =====
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676. No VOX/Semi Breakin or CW side tone on TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 12:42:40 UTC
From: mallisette
Topic: 676 Message: 676

Hi Kenwood fans,

I have recently sold my TS830 (owned since new - Feb 1981) to my brother GU4CHY. He bought it with a known fault on the understanding that I'd help to fix it.

The fault is as per the subject. It occurred during a CW QSO a few years ago, as I remember the sidetone slowly faded away and after that no semi breakin on CW or VOX on SSB.

I had always hoped to get it fixed, but having a foot switch wired to the PTT and other radios in the shack has meant it's never been done. Also being rather adverse to wire wrap joints didn't help either!

One good thing about selling to someone you know is that you get a chance to visit a pre-owned classic in it's retirement home!

PS Had a TS820 before the 830 and that's still around on the Island too!

Any help appreaciated.
73

Mike GU4EON

677. Re: [TS-520_820_530_830] No VOX/Semi Breakin or CW side tone on TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 13:49:20 UTC
From: Bill
Topic: 676 Message: 677

Mike I think you are going to find a bad transistor in
the sidetone oscillator section.

Bill

--- mallisette <mike.allisette@...> wrote:
> Hi Kenwood fans,
>
> I have recently sold my TS830 (owned since new - Feb
> 1981) to my
> brother GU4CHY. He bought it with a known fault on
> the understanding
> that I'd help to fix it.
>
> The fault is as per the subject. It occurred during
> a CW QSO a few
> years ago, as I remember the sidetone slowly faded
> away and after
> that no semi breakin on CW or VOX on SSB.
>
> I had always hoped to get it fixed, but having a
> foot switch wired
> to the PTT and other radios in the shack has meant
> it's never been
> done. Also being rather adverse to wire wrap joints
> didn't help
> either!
>
> One good thing about selling to someone you know is
> that you get a
> chance to visit a pre-owned classic in it's
> retirement home!
>
> PS Had a TS820 before the 830 and that's still
> around on the Island
> too!
>
> Any help appreaciated.
> 73
>
> Mike GU4EON
>
>
>

>
>

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678. Is this a design feature or ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 14:56:56 UTC
From: Jim
Topic: 678 Message: 678

As some of you may know, I had to trade my trusty TS820 to a guy that had the rare R820, but wanted a new toy to play with instead of cash. So, it was off to hamfest land this past weekend where I located a cosmetically pristine example of the TS-820S to replace it.

This one looks a bit different in the back than what I remember, so I assume it is a somewhat newer model. I put it on the air last night and it seems to work just fine, but when I power it up the digital display acts a bit strange. As the tubes were heating, it displayed a single digit on the readout (a 4 as I recall), but seconds later it flipped into the full display and operated as I would expect.

Is this a failure waiting to happen or a "feature" of the later model? I know some of these rigs need the connectors cleaned and since I have to do some minor wiring mods to get it to transceive with the R-820 I will have a chance to do that. It there anything else I need to check while I have the case open?

73,
Jim

679. Re: [TS-520_820_530_830] Is this a design feature or ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 15:02:42 UTC
From: Bill
Topic: 678 Message: 679

First thing, always check your VCO loop or lock
voltage as the problem is occurring; also the
connectors along the front edge of the VCO/PLL unit
may be loose.

b

--- Jim <K1ZC@...> wrote:
> As some of you may know, I had to trade my trusty
> TS820 to a guy
> that had the rare R820, but wanted a new toy to play
> with instead of
> cash. So, it was off to hamfest land this past
> weekend where I
> located a cosmetically pristine example of the
> TS-820S to replace it.
>
> This one looks a bit different in the back than what
> I remember, so
> I assume it is a somewhat newer model. I put it on
> the air last
> night and it seems to work just fine, but when I
> power it up the
> digital display acts a bit strange. As the tubes
> were heating, it
> displayed a single digit on the readout (a 4 as I
> recall), but
> seconds later it flipped into the full display and
> operated as I
> would expect.
>
> Is this a failure waiting to happen or a "feature"
> of the later
> model? I know some of these rigs need the
> connectors cleaned and
> since I have to do some minor wiring mods to get it
> to transceive
> with the R-820 I will have a chance to do that. It
> there anything
> else I need to check while I have the case open?
>
> 73,
> Jim
>
>

=====

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680. Re: No VOX/Semi Breakin or CW side tone on TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 15:39:39 UTC
From: mallisette
Topic: 676 Message: 680

Thanks Bill, I'll take a look.

By the way found lots of 830 info here
http://www.geocities.com/om6523/

Perhaps with the authors permission we could put a copy of the
document in the files section.

73

Mike GU4EON

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Mike I think you are going to find a bad transistor in
> the sidetone oscillator section.
>
> Bill
>
> --- mallisette <mike.allisette@v...> wrote:
> > Hi Kenwood fans,
> >
> > I have recently sold my TS830 (owned since new - Feb
> > 1981) to my
> > brother GU4CHY. He bought it with a known fault on
> > the understanding
> > that I'd help to fix it.
> >
> > The fault is as per the subject. It occurred during
> > a CW QSO a few
> > years ago, as I remember the sidetone slowly faded
> > away and after
> > that no semi breakin on CW or VOX on SSB.
> >
> > I had always hoped to get it fixed, but having a
> > foot switch wired
> > to the PTT and other radios in the shack has meant
> > it's never been
> > done. Also being rather adverse to wire wrap joints
> > didn't help
> > either!
> >
> > One good thing about selling to someone you know is
> > that you get a
> > chance to visit a pre-owned classic in it's
> > retirement home!

> >
> > PS Had a TS820 before the 830 and that's still
> > around on the Island
> > too!
> >
> > Any help appreaciated.
> > 73
> >
> > Mike GU4EON
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681. TS830 info posted in files section (in TS830 folder)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 15:47:39 UTC
From: mallisette
Topic: 681 Message: 681

Further to my last message I notice that the author of this document states "feel free to distribute this document over the internet".

Enjoy...

73

Mike GU4EON

682. Re: [TS-520_820_530_830] Re: SURVIVAL GUIDE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 16:52:33 UTC
From: Bill
Topic: 676 Message: 682

Hi Mike, looks like a pretty good resource. He has
already given permission to distribute over the 'net,
as long as corrections and additions are mailed back
to him.

Would you mind putting his site in our LINKS section,
and also downloading his two documents to our FILES
section?

Thanks!

Bill K0ZL
--- mallisette <mike.allisette@...> wrote:
> Thanks Bill, I'll take a look.
>
> By the way found lots of 830 info here
> http://www.geocities.com/om6523/
>
> Perhaps with the authors permission we could put a
> copy of the
> document in the files section.
>
> 73
>
> Mike GU4EON
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Mike I think you are going to find a bad
> transistor in
> > the sidetone oscillator section.
> >
> > Bill
> >
> > --- mallisette <mike.allisette@v...> wrote:
> > > Hi Kenwood fans,
> > >
> > > I have recently sold my TS830 (owned since new -
> Feb
> > > 1981) to my
> > > brother GU4CHY. He bought it with a known fault
> on
> > > the understanding
> > > that I'd help to fix it.
> > >

> > > The fault is as per the subject. It occurred
> during
> > > a CW QSO a few
> > > years ago, as I remember the sidetone slowly
> faded
> > > away and after
> > > that no semi breakin on CW or VOX on SSB.
> > >
> > > I had always hoped to get it fixed, but having
> a
> > > foot switch wired
> > > to the PTT and other radios in the shack has
> meant
> > > it's never been
> > > done. Also being rather adverse to wire wrap
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> > > One good thing about selling to someone you know
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> > > chance to visit a pre-owned classic in it's
> > > retirement home!
> > >
> > > PS Had a TS820 before the 830 and that's still
> > > around on the Island
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> > > Any help appreaciated.
> > > 73
> > >
> > > Mike GU4EON
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683. Re: [TS-520_820_530_830] TS830 info posted in files section (in TS830 folder)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 16:53:28 UTC
From: Bill
Topic: 681 Message: 683

you are ahead of me!

b

--- mallisette <mike.allisette@...> wrote:
> Further to my last message I notice that the author
> of this document
> states "feel free to distribute this document over
> the internet".
>
> Enjoy...
>
>
> 73
>
> Mike GU4EON
>
>

=====

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684. Re: [TS-520_820_530_830] Re: SURVIVAL GUIDE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 17:37:07 UTC
From: Alan E. Wolke
Topic: 676 Message: 684

Hi Bill,

If you remember, I posted those files in the Files area a few months ago...

73, Alan W2AEW

Bill wrote:

> Hi Mike, looks like a pretty good resource. He has
> already given permission to distribute over the 'net,
> as long as corrections and additions are mailed back
> to him.
>
> Would you mind putting his site in our LINKS section,
> and also downloading his two documents to our FILES
> section?
>
> Thanks!
>
> Bill K0ZL
> --- mallisette <mike.allisette@...> wrote:
> > Thanks Bill, I'll take a look.
> >
> > > By the way found lots of 830 info here
> > > http://www.geocities.com/om6523/
> > >
> > > Perhaps with the authors permission we could put a
> > > copy of the
> > > document in the files section.
> > >
> > > 73
> > >
> > > Mike GU4EON
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > > <coorsbill@y...>
> > > wrote:
> > > > Mike I think you are going to find a bad
> > > transistor in
> > > > the sidetone oscillator section.
> > > >
> > > > Bill
> > > >
> > > > --- mallisette <mike.allisette@v...> wrote:
> > > > > Hi Kenwood fans,

> > > >
> > > > I have recently sold my TS830 (owned since new -
> > Feb
> > > > 1981) to my
> > > > brother GU4CHY. He bought it with a known fault
> > on
> > > > the understanding
> > > > that I'd help to fix it.
> > > >
> > > > The fault is as per the subject. It occurred
> > during
> > > > a CW QSO a few
> > > > years ago, as I remember the sidetone slowly
> > faded
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> > > > that no semi breakin on CW or VOX on SSB.
> > > >
> > > > I had always hoped to get it fixed, but having
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> > > > foot switch wired
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> > > > One good thing about selling to someone you know
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> > > >
> > > > PS Had a TS820 before the 830 and that's still
> > > > around on the Island
> > > > too!
> > > >
> > > > Any help appreaciated.
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> > > > Mike GU4EON
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[Non-text portions of this message have been removed]

685. Re: [TS-520_820_530_830] Re: SURVIVAL GUIDE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 18:30:31 UTC
From: Bill
Topic: 676 Message: 685

Sorry, I suffer from CRS disease... "Can't Remember
Squat"... thanks Alan!

b

--- "Alan E. Wolke" <w2aew@...> wrote:
> Hi Bill,
>
> If you remember, I posted those files in the Files
> area a few months
> ago...
>
> 73, Alan W2AEW
>
> Bill wrote:
>
> > Hi Mike, looks like a pretty good resource. He
> has
> > already given permission to distribute over the
> 'net,
> > as long as corrections and additions are mailed
> back
> > to him.
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> > Would you mind putting his site in our LINKS
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> > and also downloading his two documents to our
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> > Thanks!
> >
> > Bill K0ZL
> > --- mallisette <mike.allisette@...> wrote:
> > > Thanks Bill, I'll take a look.
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> > > By the way found lots of 830 info here
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> > > copy of the
> > > document in the files section.
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> > > 73

> > >
> > > Mike GU4EON
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > > <coorsbill@y...>
> > > wrote:
> > > > Mike I think you are going to find a bad
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> > > > the sidetone oscillator section.
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> > > > Bill
> > > >
> > > > --- mallisette <mike.allisette@v...> wrote:
> > > > > Hi Kenwood fans,
> > > > >
> > > > > I have recently sold my TS830 (owned since
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> > > Feb
> > > > > 1981) to my
> > > > > brother GU4CHY. He bought it with a known
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> > > on
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> > > > > The fault is as per the subject. It occurred
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> > > > >
> > > > > I had always hoped to get it fixed, but
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> > > > > done. Also being rather adverse to wire wrap
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> > > > > didn't help
> > > > > either!
> > > > >
> > > > > One good thing about selling to someone you
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> > > is
> > > > > that you get a
> > > > > chance to visit a pre-owned classic in it's

> > > > > retirement home!
> > > > >
> > > > > PS Had a TS820 before the 830 and that's
> still
> > > > > around on the Island
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> > > > >
> > > > > Any help appreaciated.
> > > > > 73
> > > > >
> > > > > Mike GU4EON
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686. Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 19:50:33 UTC
From: Greg Milligan
Topic: 686 Message: 686

Could some one help shed any light where I should look next to solve the problem of reduced power on a TS-530S.

At some point I had a small pop and a little smoke, nothing huge like a big capacitor going off (well as far as I know). The output power reduced to approx 50W out and HV showed approx 450V on TX (was normaly around 900V). So tended to suspect valve failure, and popped the lid open to take a look. Note: mains supply runs at 240V AC

No burnt components found so far.

These are the things I have tried so far are...

Driver valve appears OK, tried it in my TS-830S (in fact better than the stock TS-830S - reminder to self to replace 830's driver as its going soft - its ALC is dropping off over time!)

I have also tried the TS-830S PA valves in TS-530S which produces same the result, so not the PA bottles either. Therefore original TS-530S valves were put back in place.

R2/R3/R4/R5 resistors on the PA board all lifted up and independantly measured approx 22 ohms each. Typically 6 ohms when all in circuit (22/4 = 5.5 ohms) so all ok there.

The screen voltage resistors R7 and R8 all check out at 100 ohms each, so does R1 (100 ohms)

Plate idling current can be adjusted up to 200mA via rear bias control Currently set at 60mA.

Screen voltage measured on pin 3 of each valve (via R7 / R8) is
when SG = on 257V (rx) 242V (tx)
when SG = off -115V (rx) -111V (tx)

Checked 800V DC supply from rectifier unit
when SG = on 755V (rx) 420V (tx) <---- problem
when SG = off 764V (rx) 764V (tx)

Looked on scope the 800V supply seems OK on rx (smoothing could be a tad better thou), but the supply appears to half wave rectifying on TX hence 420 V. At this point I would suspect one of the PA valves circuits to be failing, as these are switched "out" when the negative supply is supplied to the bottles.

R11 = 470 ohms on the rectifier board appears OK.

I am not quite sure what I should be expecting from the PS1 / PS2 resistor come coil arrangements on each of the PA plate connections they both seem to be short circuited when measuring resistance across each of them.

Both heaters seem to light up.

I am running out of ideas what to try next. Any ideas or suggestions out there?

Thank you.

--
Greg Milligan
EMAIL: greg@...

687. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 20:05:04 UTC
From: Bill
Topic: 686 Message: 687

You lost a HV filter cap, no big deal.

I have replacements for these, or you can get them
from digikey I think... I will get you the part
numbers if you want, there have also been several
posts lately on other cap sources.

Plan on replacing both caps.

When these caps fail, they often leave the rig in
operable condition albeit at lower plate V and 1/4-1/2
power out.

This is because they are in a voltage doubler; as soon
as they fail, they take themselves out of the circuit,
then you are running on just one side of the system.

bill

--- Greg Milligan <greg@...> wrote:
> Could some one help shed any light where I should
> look next to solve the
> problem of reduced power on a TS-530S.
>
>
> At some point I had a small pop and a little smoke,
> nothing huge like a
> big capacitor going off (well as far as I know). The
> output power
> reduced to approx 50W out and HV showed approx 450V
> on TX (was normaly
> around 900V). So tended to suspect valve failure,
> and popped the lid
> open to take a look. Note: mains supply runs at 240V
> AC
>
> No burnt components found so far.
>
>
> These are the things I have tried so far are...
>
> Driver valve appears OK, tried it in my TS-830S (in
> fact better than the
> stock TS-830S - reminder to self to replace 830's
> driver as its going
> soft - its ALC is dropping off over time!)

>
> I have also tried the TS-830S PA valves in TS-530S
> which produces same
> the result, so not the PA bottles either. Therefore
> original TS-530S
> valves were put back in place.
>
> R2/R3/R4/R5 resistors on the PA board all lifted up
> and independantly
> measured approx 22 ohms each. Typically 6 ohms when
> all in circuit (22/4
> = 5.5 ohms) so all ok there.
>
> The screen voltage resistors R7 and R8 all check out
> at 100 ohms each,
> so does R1 (100 ohms)
>
>
> Plate idling current can be adjusted up to 200mA via
> rear bias control
> Currently set at 60mA.
>
> Screen voltage measured on pin 3 of each valve (via
> R7 / R8) is
> when SG = on 257V (rx) 242V (tx)
> when SG = off -115V (rx) -111V (tx)
>
> Checked 800V DC supply from rectifier unit
> when SG = on 755V (rx) 420V (tx) <---- problem
> when SG = off 764V (rx) 764V (tx)
>
> Looked on scope the 800V supply seems OK on rx
> (smoothing could be a tad
> better thou), but the supply appears to half wave
> rectifying on TX hence
> 420 V. At this point I would suspect one of the PA
> valves circuits to be
> failing, as these are switched "out" when the
> negative supply is
> supplied to the bottles.
>
> R11 = 470 ohms on the rectifier board appears OK.
>
> I am not quite sure what I should be expecting from
> the PS1 / PS2
> resistor come coil arrangements on each of the PA
> plate connections they
> both seem to be short circuited when measuring
> resistance across each of
> them.

>
> Both heaters seem to light up.
>
> I am running out of ideas what to try next. Any
> ideas or suggestions out
> there?
>
> Thank you.
>
> --
> Greg Milligan
> EMAIL: greg@...
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>

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688. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 21:06:47 UTC
From: Greg Milligan
Topic: 686 Message: 688

Bill,

Thank you very much for the quick response. This is very good news to hear, I have spend several evenings on this and have rather enjoyed fault finding this (till the point I became well and truely stuck!).So far I have learnt an incredible amount on how this radio actually works.

I've checked your previous email on the subject of filter caps I persume it mean the following items from digikey?

C90-0327-05 DIGIKEY P7453-ND MAIN C18, C19 2
CAPACITOR, ELEC 150uF 500WV RADIAL 62.5x36mm
2-23/64"x1-29/64

I haven't purchased from this company before, although I noticed that they may have a UK outlet via their web site (which is great news for my other projects)

I know that the stock ones are 100uF and are labelled C22 and C24, I persume the ones mentioned above were for a different revision or model of radio? I noted that they were the same kenwood product code. Will 150uF ones wont make too much of a difference, large voltage generated, when compared to 100uF?

I persume the capacitors would act as a pull and push voltage doubler to generate the higher voltage? I am right that the resistor across each of them would act as a form current limiting?

Looks like I need to read up and revise on voltage doublers as I am not sure how the circuit protects itself if a capacitor ever short circuited. I persume the cap in my case has gone open circuit.

Thanks for the advice.

Greg

On Tue, 2003-08-12 at 21:05, Bill wrote:
> You lost a HV filter cap, no big deal.
>
> I have replacements for these, or you can get them
> from digikey I think... I will get you the part
> numbers if you want, there have also been several
> posts lately on other cap sources.
>
> Plan on replacing both caps.
>
> When these caps fail, they often leave the rig in

> operable condition albeit at lower plate V and 1/4-1/2
> power out.
>
> This is because they are in a voltage doubler; as soon
> as they fail, they take themselves out of the circuit,
> then you are running on just one side of the system.
>
> bill
>
> --- Greg Milligan <greg@...> wrote:
> > Could some one help shed any light where I should
> > look next to solve the
> > problem of reduced power on a TS-530S.
> >
> >
> > At some point I had a small pop and a little smoke,
> > nothing huge like a
> > big capacitor going off (well as far as I know). The
> > output power
> > reduced to approx 50W out and HV showed approx 450V
> > on TX (was normaly
> > around 900V). So tended to suspect valve failure,
> > and popped the lid
> > open to take a look. Note: mains supply runs at 240V
> > AC
> >
> > No burnt components found so far.
> >
> >
> > These are the things I have tried so far are...
> >
> > Driver valve appears OK, tried it in my TS-830S (in
> > fact better than the
> > stock TS-830S - reminder to self to replace 830's
> > driver as its going
> > soft - its ALC is dropping off over time!)
> >
> > I have also tried the TS-830S PA valves in TS-530S
> > which produces same
> > the result, so not the PA bottles either. Therefore
> > original TS-530S
> > valves were put back in place.
> >
> > R2/R3/R4/R5 resistors on the PA board all lifted up
> > and independantly
> > measured approx 22 ohms each. Typically 6 ohms when
> > all in circuit (22/4
> > = 5.5 ohms) so all ok there.
> >
> > The screen voltage resistors R7 and R8 all check out

> > at 100 ohms each,
> > so does R1 (100 ohms)
> >
> >
> > Plate idling current can be adjusted up to 200mA via
> > rear bias control
> > Currently set at 60mA.
> >
> > Screen voltage measured on pin 3 of each valve (via
> > R7 / R8) is
> > when SG = on 257V (rx) 242V (tx)
> > when SG = off -115V (rx) -111V (tx)
> >
> > Checked 800V DC supply from rectifier unit
> > when SG = on 755V (rx) 420V (tx) <---- problem
> > when SG = off 764V (rx) 764V (tx)
> >
> > Looked on scope the 800V supply seems OK on rx
> > (smoothing could be a tad
> > better thou), but the supply appears to half wave
> > rectifying on TX hence
> > 420 V. At this point I would suspect one of the PA
> > valves circuits to be
> > failing, as these are switched "out" when the
> > negative supply is
> > supplied to the bottles.
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> > I am running out of ideas what to try next. Any
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> >
> > Thank you.
> >
> > --
> > Greg Milligan
> > EMAIL: greg@...
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>
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>
--
Greg Milligan
EMAIL: greg@...

689. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 23:50:48 UTC
From: Bill
Topic: 686 Message: 689

Let everything discharge and I think you will find
that the cap is actually shorted, or very low value
resistance! That is one of the characteristics of the
Kenwood power supplies; they don't carbonize the rest
of the radio when they fail.

The 470K resistors are bleeders and do tend to balance
the voltage on the caps so one doesn't get it all

Yes, the digikey parts are right. They don't look
right once you put them in... they are way too short
to work!! hi hi

150 vs 100uF makes little difference, you may have a
bit less ripple on CW tune, but no one will notice.

B
--- Greg Milligan <greg@...> wrote:
> Bill,
>
> Thank you very much for the quick response. This is
> very good news to
> hear, I have spend several evenings on this and have
> rather enjoyed
> fault finding this (till the point I became well and
> truely stuck!).So
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> radio actually works.
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> I've checked your previous email on the subject of
> filter caps I persume
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>
> C90-0327-05 DIGIKEY P7453-ND MAIN C18,
> C19 2
> CAPACITOR, ELEC 150uF 500WV RADIAL 62.5x36mm
> 2-23/64"x1-29/64
>
> I haven't purchased from this company before,
> although I noticed that
> they may have a UK outlet via their web site (which
> is great news for my
> other projects)
>
> I know that the stock ones are 100uF and are
> labelled C22 and C24, I

> persume the ones mentioned above were for a
> different revision or model
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> product code. Will
> 150uF ones wont make too much of a difference, large
> voltage generated,
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> I persume the capacitors would act as a pull and
> push voltage doubler to
> generate the higher voltage? I am right that the
> resistor across each of
> them would act as a form current limiting?
>
> Looks like I need to read up and revise on voltage
> doublers as I am not
> sure how the circuit protects itself if a capacitor
> ever short
> circuited. I persume the cap in my case has gone
> open circuit.
>
> Thanks for the advice.
>
> Greg
>
>
>
>
>
>
>
> On Tue, 2003-08-12 at 21:05, Bill wrote:
> > You lost a HV filter cap, no big deal.
> >
> > I have replacements for these, or you can get them
> > from digikey I think... I will get you the part
> > numbers if you want, there have also been several
> > posts lately on other cap sources.
> >
> > Plan on replacing both caps.
> >
> > When these caps fail, they often leave the rig in
> > operable condition albeit at lower plate V and
> 1/4-1/2
> > power out.
> >
> > This is because they are in a voltage doubler; as
> soon
> > as they fail, they take themselves out of the
> circuit,

> > then you are running on just one side of the
> system.
> >
> > bill
> >
> > --- Greg Milligan <greg@...> wrote:
> > > Could some one help shed any light where I
> should
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> > > problem of reduced power on a TS-530S.
> > >
> > >
> > > At some point I had a small pop and a little
> smoke,
> > > nothing huge like a
> > > big capacitor going off (well as far as I know).
> The
> > > output power
> > > reduced to approx 50W out and HV showed approx
> 450V
> > > on TX (was normaly
> > > around 900V). So tended to suspect valve
> failure,
> > > and popped the lid
> > > open to take a look. Note: mains supply runs at
> 240V
> > > AC
> > >
> > > No burnt components found so far.
> > >
> > >
> > > These are the things I have tried so far are...
> > >
> > > Driver valve appears OK, tried it in my TS-830S
> (in
> > > fact better than the
> > > stock TS-830S - reminder to self to replace
> 830's
> > > driver as its going
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> > > I have also tried the TS-830S PA valves in
> TS-530S
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> > > original TS-530S
> > > valves were put back in place.
> > >
> > > R2/R3/R4/R5 resistors on the PA board all lifted

> up
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> > > measured approx 22 ohms each. Typically 6 ohms
> when
> > > all in circuit (22/4
> > > = 5.5 ohms) so all ok there.
> > >
> > > The screen voltage resistors R7 and R8 all check
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> > > at 100 ohms each,
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> > > Checked 800V DC supply from rectifier unit
> > > when SG = on 755V (rx) 420V (tx) <---- problem
> > > when SG = off 764V (rx) 764V (tx)
> > >
> > > Looked on scope the 800V supply seems OK on rx
> > > (smoothing could be a tad
> > > better thou), but the supply appears to half
> wave
> > > rectifying on TX hence
> > > 420 V. At this point I would suspect one of the
> PA
> > > valves circuits to be
> > > failing, as these are switched "out" when the
> > > negative supply is
> > > supplied to the bottles.
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> > > R11 = 470 ohms on the rectifier board appears
> OK.
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> > > I am not quite sure what I should be expecting
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> > > the PS1 / PS2
> > > resistor come coil arrangements on each of the
> PA
> > > plate connections they
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> > > resistance across each of
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> > > I am running out of ideas what to try next. Any
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> > > there?
> > >
> > > Thank you.
> > >
> > > --
> > > Greg Milligan
> > > EMAIL: greg@...
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > see our website www.amateur-repairs.com
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690. new to group de KF3KWO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-12 21:24:43 UTC
From: Jeff, Julie, Annabelle, and Nicholas
Topic: 690 Message: 690

Greetings all, my name is Jeff Nyberg, KF3KWO. I live in Odenton, MD, and am active on 2m/440, plus HF. The reason I joined this group is because my father-in-law just gave me his old Kenwood TS-520SE. My HF experience so far has been limited to 10m, using the HTX-10. I recently upgraded to General, so I'm looking forward to getting on the other HF bands with the 520SE. I'll be putting together the station in the upcoming weeks - ie buying a tuner, making a new dipole, etc.

73 to all,

Jeff
kf3kwo@...

691. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-13 16:57:47 UTC
From: Greg Milligan
Topic: 686 Message: 691

Bill,

Thanks for the advice. All noted on the bleeder resistor and the supply ripple.

I have ordered half a dozen of these capacitors from digikey, two for this set and the rest for spares in case I have the same problem in my other Kenwood. I intend to run these radios for many more years to come, so I am stocking up on a few spare parts. However the price to ship the capacitors to the UK was a little alarming, but well worth it in the end.

When they arrive I'll let you know the outcome. I liked your comment regarding 'they dont carbonize the rest to the radio'. Overall I am very impressed with my TS-830S and TS-530S, its a shame newer models are not designed with this care and attention in mind.

Greg (G1CPU)

On Wed, 2003-08-13 at 00:50, Bill wrote:
> Let everything discharge and I think you will find
> that the cap is actually shorted, or very low value
> resistance! That is one of the characteristics of the
> Kenwood power supplies; they don't carbonize the rest
> of the radio when they fail.
>
> The 470K resistors are bleeders and do tend to balance
> the voltage on the caps so one doesn't get it all
>
> Yes, the digikey parts are right. They don't look
> right once you put them in... they are way too short
> to work!! hi hi
>
> 150 vs 100uF makes little difference, you may have a
> bit less ripple on CW tune, but no one will notice.
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> --- Greg Milligan <greg@...> wrote:
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> >
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> > > You lost a HV filter cap, no big deal.
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> > > >
> > > > --
> > > > Greg Milligan
> > > > EMAIL: greg@...
> > > >
> > > >
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> > > >
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> see our website www.amateur-repairs.com

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--
Greg Milligan
EMAIL: greg@...

692. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-13 17:18:39 UTC
From: Bill
Topic: 686 Message: 692

Actually, some radios are so designed.

I had a TS-950S (not DX) in for new finals. Lightning
had damaged the old ones. I expected to open it up
and give the owner the bad/good news that he should
file a claim for a "totalled" radio. Instead, I found
that the finals were gone indeed, as was a 6 amp
fast-blow fuse on the PA board. And THAT WAS ALL the
damage there was! I was truly amazed.

Later I had a FT-1000D come in, again a lightning hit;
All it lost was a PIN switching diode on the filter
unit! TOUGH...

Compare to the Kenwood TL-922 that destroys the plate
and grid current meter movements, the cathode bias
zener and a couple of other parts whenever the
3-500Z's short grid-to-cathode.. oh well, ya can't win
'em all!

73,

Bill
--- Greg Milligan <greg@...> wrote:
> Bill,
>
>...I
> liked your comment
> regarding 'they dont carbonize the rest to the
> radio'. Overall I am very
> impressed with my TS-830S and TS-530S, its a shame
> newer models are not
> designed with this care and attention in mind.
>
> Greg (G1CPU)

=====

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693. heater warm up time

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-14 10:47:09 UTC
From: gary rose
Topic: 693 Message: 693

hi what is the right time to let the heaters warm up on a 530s before going to transmit at the monment i leave them for 5min thanks for any info

694. Re: [TS-520_820_530_830] heater warm up time

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-14 14:09:19 UTC
From: Bill
Topic: 693 Message: 694

three minutes is good.

Turn on rig, get cup of coffee.

bill

--- gary rose <cortinanut@...> wrote:
> hi what is the right time to let the heaters warm up
> on a 530s before
> going to transmit at the monment i leave them for
> 5min thanks for any
> info
>
>
>

=====

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695. Re: [TS-520_820_530_830] 830s power level & other questions from a newbie

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-17 17:19:04 UTC
From: Scott Jacobsen
Topic: 631 Message: 695

Thanks for all who answered my questions. I love this rig (I think of it as the '57 Chevy of HF).

Scott
VA3SLJ

----- Original Message -----
From: "Bill" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, August 04, 2003 8:51 AM
Subject: Re: [TS-520_820_530_830] 830s power level & other questions from a newbie

> Tx bandwidth is set via the 8.8Mhz filter BW, same as
> on receive.
>
> no QRP setting unless you want to mess with the screen
> voltage taps to the SG switch on the back.
>
> The SG switch when OFF switches the PA screens to the
> negative bias supply of -105 volts, shutting off the
> tubes for transverter use. You can re-wire that to
> about 50-60 volts, obtained via voltage divider
> network, to reduce power. Not a trivial task.
>
> another way is to inject a 0-9 volt negative voltage
> on the ALC connection in the back from a 9v battery
> and pot; I have not tried this.
>
> Enjoy the 830, they are still great rigs!
>
> bill K0ZL
> --- Scott Jacobsen <scottj@...> wrote:
> > From a newbie
> >
> > I have an 830s which is running fine, but now that
> > I'm getting more
> > acquainted with it I have some questions. One is,
> > how do I lower the power
> > if I need to? The manual only seems to give
> > information on peaking it. I
> > notice that the carrier control seems to do this,
> > but I'm not sure that's
> > the way it should go.

> >
> > Is there a "QRP setting" for this rig?
> >
> > Last (for now), how is bandwidth set on this
> > machine?
> >
> > Thanks for the help,
> >
> > Scott
> > VA3SLJ
> >
> >
>
>
> =====
>
> see our website www.amateur-repairs.com
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>
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>

696. best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 18:22:05 UTC
From: jeffnyberg
Topic: 696 Message: 696

What would be the best and INEXPENSIVE tuner for my ts-520SE? I
would like to operate SSB with a flattop dipole on 40 through 10.
Thanks for your help!

73 de Jeff, KF3KWO
Odenton, MD
kf3kwo@...

697. TS-820 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 14:40:48 UTC
From: Bill
Topic: 697 Message: 697

Since the both of these rigs have (4) crystal controlled "Channels"
and the math to get the frequency you want is established, can the
820 & 520 be operated on the new 60 meters channels?

K2WH

698. Re: [TS-520_820_530_830] TS-820 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 19:07:35 UTC
From: Bill
Topic: 697 Message: 698

Nope.

The xtals are to be used to replace the VFO on a
particular, existing Band.

Since the 820 has PLL you could mod it but it would be
more work than it's worth, I think

for the 520 you would need a het crystal for 60m, and
you would have to rip off 80M for it... not cool
either, in my book.

bill

--- Bill <k2wh@...> wrote:
> Since the both of these rigs have (4) crystal
> controlled "Channels"
> and the math to get the frequency you want is
> established, can the
> 820 & 520 be operated on the new 60 meters channels?
>
> K2WH
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699. Re: [TS-520_820_530_830] best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 19:10:54 UTC
From: Bill
Topic: 696 Message: 699

Any good-looking USED kw tuner off Ebay will do it.

Stay away from the mighty fine junque 100w models.
When tuning a dipole to other bands, de-rate the tuner
rating in watts by a factor of ten!

73

bill

--- jeffnyberg <jjannanik@...> wrote:
> What would be the best and INEXPENSIVE tuner for my
> ts-520SE? I
> would like to operate SSB with a flattop dipole on
> 40 through 10.
> Thanks for your help!
>
> 73 de Jeff, KF3KWO
> Odenton, MD
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http://sitebuilder.yahoo.com

700. Re: [TS-520_820_530_830] best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 19:31:18 UTC
From: Dale Cole
Topic: 696 Message: 700

Jeff;
I have found the MFJ 962C to be a fairly good tuner for the money. I will handle a amplifier if you ever choose to add one. I do suggest getting the 962D with the roller inductor though. The smaller units just don't provide the variables you will need to operate that antenna. You might also consider the Heath 2040 unit although it might be priced higher because they are not as common. Check out the tuner reviews on eHam.com before buying. Go place to look is QTH.com but not the only place. Good Luck (some of the other guys may have some good suggestions also)
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Saturday, August 23, 2003 02:23:24 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] best tuner for ts-520SE

What would be the best and INEXPENSIVE tuner for my ts-520SE? I would like to operate SSB with a flattop dipole on 40 through 10. Thanks for your help!

73 de Jeff, KF3KWO
Odenton, MD
kf3kwo@...

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[Non-text portions of this message have been removed]

701. Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 20:19:59 UTC
From: jeffnyberg
Topic: 696 Message: 701

Dale and Bill,

Thanks for your hints regarding the tuner. I'll follow y'all's advice, as well as any other. My biggest fear with operating the 520SE is that I don't have any experience operating a radio with tubes. I have received the owner's manual now, and can follow the procedure just fine. I plan to tune up tonight and try out 10m with my existing dipole. I just hope I do it right. Of course I'll follow the instructions to the letter, but it's the whole "tube" thing that is providing a challenge for me. A little bit intimidating, I guess you could say.

Thanks again and 73,

Jeff, KF3KWO
Odenton, MD
kf3kwo@...

702. Re: [TS-520_820_530_830] best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 20:35:41 UTC
From: f x
Topic: 696 Message: 702

Hey Jeff...

Read your post on being intimidated by tubes...

Not to worry... just think of them as "Hot Wire FETS"... work the same way with higher voltages... hehe... Hot wire for the filaments...

Good luck,

Raleigh
NY0Y

jeffnyberg <jjannanik@...> wrote:
What would be the best and INEXPENSIVE tuner for my ts-520SE? I
would like to operate SSB with a flattop dipole on 40 through 10.
Thanks for your help!

73 de Jeff, KF3KWO
Odenton, MD
kf3kwo@...

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[Non-text portions of this message have been removed]

703. Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 20:35:43 UTC
From: Jim
Topic: 696 Message: 703

Jeff,

While it may be overkill for what you need now, I went ahead and got an MFJ989C which is the 3KW unit. I found it used on e-Ham for $150 and it comes with a large, backlit cross needle tuner and a built-in dummy that can take a lot of power (not that you should tune up for hours on end). If you have a bare bones shack like I did, it might be cheaper to get a used higher end unit with all the things you will ultimately wind up buying, especially when you factor in postage and handling for separate items. The 989 also has the roller inductor and can tune damn near anything.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "jeffnyberg" <jjannanik@c...> wrote:
> Dale and Bill,
>
> Thanks for your hints regarding the tuner. I'll follow y'all's
> advice, as well as any other. My biggest fear with operating the
> 520SE is that I don't have any experience operating a radio with
> tubes. I have received the owner's manual now, and can follow the
> procedure just fine. I plan to tune up tonight and try out 10m with
> my existing dipole. I just hope I do it right. Of course I'll
> follow the instructions to the letter, but it's the whole "tube"
> thing that is providing a challenge for me. A little bit
> intimidating, I guess you could say.
>
> Thanks again and 73,
>
> Jeff, KF3KWO
> Odenton, MD
> kf3kwo@a...

704. Re: [TS-520_820_530_830] best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 21:38:11 UTC
From: Dave Hurst
Topic: 696 Message: 704

For what it's worth Jeff, I use a MFJ 941D. It works on the homebrew vertical.
Just might want to consider a separate SWR Meter though. Really backs up and gives you a better picture of what's happening.
Dave VE6DDT

jeffnyberg <jjannanik@...> wrote:
What would be the best and INEXPENSIVE tuner for my ts-520SE? I
would like to operate SSB with a flattop dipole on 40 through 10.
Thanks for your help!

73 de Jeff, KF3KWO
Odenton, MD
kf3kwo@...

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[Non-text portions of this message have been removed]

705. Re: [TS-520_820_530_830] Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-23 23:46:48 UTC
From: Bill
Topic: 696 Message: 705

Just go through the book tuneup procedure a couple of
times.

Main thing, is get that plate circuit resonated as
quick as you can; once you do that you can relax a
little.

The tubes are pretty tough but there are limits.

You should be able to tune the rig into a dummy load
in about 5 seconds total transmit time with practice;
then, reduce power and setup the tuner. That will
actually take longer, than tuning the rig!

Your radio will handle up to a 3:1 swr by itself; no
need to use the tuner on the band that the antenna is
cut for. That should simplify things.

bill
--- jeffnyberg <jjannanik@...> wrote:
> Dale and Bill,
>
> Thanks for your hints regarding the tuner. I'll
> follow y'all's
> advice, as well as any other. My biggest fear with
> operating the
> 520SE is that I don't have any experience operating
> a radio with
> tubes. I have received the owner's manual now, and
> can follow the
> procedure just fine. I plan to tune up tonight and
> try out 10m with
> my existing dipole. I just hope I do it right. Of
> course I'll
> follow the instructions to the letter, but it's the
> whole "tube"
> thing that is providing a challenge for me. A
> little bit
> intimidating, I guess you could say.
>
> Thanks again and 73,
>
> Jeff, KF3KWO
> Odenton, MD
> kf3kwo@...
>

>

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706. Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 00:09:59 UTC
From: jeffnyberg
Topic: 696 Message: 706

Bill,

Thanks for the hints. A lot of that is Greek to me, but I've gotten some reading material so I can try to understand these "new" terms. New for me, anyway. Never thought my first all-band rig would be 20 years old with tubes.

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Just go through the book tuneup procedure a couple of
> times.
>
> Main thing, is get that plate circuit resonated as
> quick as you can; once you do that you can relax a
> little.
>
> The tubes are pretty tough but there are limits.
>
> You should be able to tune the rig into a dummy load
> in about 5 seconds total transmit time with practice;
> then, reduce power and setup the tuner. That will
> actually take longer, than tuning the rig!
>
> Your radio will handle up to a 3:1 swr by itself; no
> need to use the tuner on the band that the antenna is
> cut for. That should simplify things.
>
> bill
> --- jeffnyberg <jjannanik@c...> wrote:
> > Dale and Bill,
> >
> > Thanks for your hints regarding the tuner. I'll
> > follow y'all's
> > advice, as well as any other. My biggest fear with
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> > 520SE is that I don't have any experience operating
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> > procedure just fine. I plan to tune up tonight and
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> > my existing dipole. I just hope I do it right. Of
> > course I'll
> > follow the instructions to the letter, but it's the

> > whole "tube"
> > thing that is providing a challenge for me. A
> > little bit
> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD
> > kf3kwo@a...
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707. Re: [TS-520_820_530_830] Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 00:24:12 UTC
From: Dale Cole
Topic: 696 Message: 707

Jeff;
Bill's right...those tubes will take quite a beating, but that's not the idea hi hi. Had an 830s that would run almost anything EXCEPT a non-resonant 160 antenna! Blew the tuner, the finals, the diode protections to the finals, and of course the internal fuse hi hi. Don't do door knobs or screendoors and you'll be alright! You ll have a blast with that rig!
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Saturday, August 23, 2003 08:11:07 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: best tuner for ts-520SE

Bill,

Thanks for the hints. A lot of that is Greek to me, but I've gotten some reading material so I can try to understand these "new" terms. New for me, anyway. Never thought my first all-band rig would be 20 years old with tubes.

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Just go through the book tuneup procedure a couple of
> times.
>
> Main thing, is get that plate circuit resonated as
> quick as you can; once you do that you can relax a
> little.
>
> The tubes are pretty tough but there are limits.
>
> You should be able to tune the rig into a dummy load
> in about 5 seconds total transmit time with practice;
> then, reduce power and setup the tuner. That will
> actually take longer, than tuning the rig!
>
> Your radio will handle up to a 3:1 swr by itself; no
> need to use the tuner on the band that the antenna is
> cut for. That should simplify things.
>
> bill
> --- jeffnyberg <jjannanik@c...> wrote:

> > Dale and Bill,
> >
> > Thanks for your hints regarding the tuner. I'll
> > follow y'all's
> > advice, as well as any other. My biggest fear with
> > operating the
> > 520SE is that I don't have any experience operating
> > a radio with
> > tubes. I have received the owner's manual now, and
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> > procedure just fine. I plan to tune up tonight and
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> > my existing dipole. I just hope I do it right. Of
> > course I'll
> > follow the instructions to the letter, but it's the
> > whole "tube"
> > thing that is providing a challenge for me. A
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> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD
> > kf3kwo@a...
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708. Re: [TS-520_820_530_830] best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 01:11:46 UTC
From: Gary & Carrie Meyer
Topic: 696 Message: 708

Jeff

I use a M F J 900 I bought on e-bay for $20. Works good. Any of the small MFJ tuners will work the 900, the 901 and the 902. All quite inexpensive.

KCØNPJ Gary

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[Non-text portions of this message have been removed]

709. Re: [TS-520_820_530_830] Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 01:24:33 UTC
From: Gary & Carrie Meyer
Topic: 696 Message: 709

Jeff

I,m running a ts530s into a windom that doesn't tune very flat and I have hade no problems so far. I just built a dipole for 10meters and with a little tuning I got it to flat,so I don't even use the tuner when I hook up this antenna. Not much on ten. I've had a few QSO's.
Good luck, and study that operators manual. Hope to hear you on the air.

KCØNPJ Gary

[Non-text portions of this message have been removed]

710. thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 18:06:53 UTC
From: jeffnyberg
Topic: 710 Message: 710

Thanks again everyone for the hints. Here's my next quandry:

Read and reread the tuning procedure. Followed the steps, did the adjustments, everything seemed to be reading just fine on the meter and its different settings, but when keying the mike (MC-50), nothing. I hear the clicking inside the transceiver, but no response on the meter, and no signal overheard on my shortwave. Tuning up did generate some RF (my stereo went mute while doing so), but nothing when keying the mike. Checked the troubleshooting hints in the back of the manual, and it seems that I may have a bad microphone.

Have I made sense at all?

Doing the tuning up this morning really helped me understand everything that goes on with tuning up a tube radio. Voltage, mA, et al...quickly becoming lingua franca in my station.

73,
Jeff, KF3KWO

711. ADDING TO: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 18:52:24 UTC
From: jeffnyberg
Topic: 710 Message: 711

Neglected to mention that I'm using a homebrew monoband 10m dipole
that I have successfully used with my HTX-10, which has now been put
back into the car.

73 de Jeff

712. Re: [TS-520_820_530_830] ADDING TO: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 19:12:44 UTC
From: Gary & Carrie Meyer
Topic: 710 Message: 712

Jeff

Sounds to me like a bad mic or relay. Check the mic first .

KCØNPJ Gary

[Non-text portions of this message have been removed]

713. Re: [TS-520_820_530_830] thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-24 21:08:21 UTC
From: Mike
Topic: 710 Message: 713

Double check that your MC-50 is set for high impedance instead of low.
There is a red dot on the cable connector from the base to the microphone,
make sure it is on the same side as the red "H" on the microphone itself.
Also make sure that the red dot on the radio to base connector is on the
same side as the red dot on the base side, if that one is backwards the PTT
will function but no signal can pass to the radio.

>and its different settings, but when keying the mike (MC-50),
>nothing. I hear the clicking inside the transceiver, but no response
>on the meter, and no signal overheard on my shortwave.

714. Re: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 00:01:05 UTC
From: jeffnyberg
Topic: 710 Message: 714

Mike,

Looks like you get the gold cigar. All is well now. Thanks for your guidance. And thanks again to everyone else for your guidance as well. I hadn't seen those dots when I hooked up the mike.

73 to all, see you on 10 (for now)!

Jeff, KF3KWO

--- In TS-520_820_530_830@yahoogroups.com, Mike <mdietrich@e...> wrote:
> Double check that your MC-50 is set for high impedance instead of low.
> There is a red dot on the cable connector from the base to the microphone,
> make sure it is on the same side as the red "H" on the microphone itself.
> Also make sure that the red dot on the radio to base connector is on the
> same side as the red dot on the base side, if that one is backwards the PTT
> will function but no signal can pass to the radio.
>
> >and its different settings, but when keying the mike (MC-50),
> >nothing. I hear the clicking inside the transceiver, but no response
> >on the meter, and no signal overheard on my shortwave.

715. Re: [TS-520_820_530_830] thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 12:43:15 UTC
From: Bill
Topic: 710 Message: 715

Make sure that the little slide switch on top of the
MC-50 is on, if it has one.

b

--- jeffnyberg <jjannanik@...> wrote:
> Thanks again everyone for the hints. Here's my next
> quandry:
>
> Read and reread the tuning procedure. Followed the
> steps, did the
> adjustments, everything seemed to be reading just
> fine on the meter
> and its different settings, but when keying the mike
> (MC-50),
> nothing. I hear the clicking inside the
> transceiver, but no response
> on the meter, and no signal overheard on my
> shortwave. Tuning up did
> generate some RF (my stereo went mute while doing
> so), but nothing
> when keying the mike. Checked the troubleshooting
> hints in the back
> of the manual, and it seems that I may have a bad
> microphone.
>
> Have I made sense at all?
>
> Doing the tuning up this morning really helped me
> understand
> everything that goes on with tuning up a tube radio.
> Voltage, mA, et
> al...quickly becoming lingua franca in my station.
>
> 73,
> Jeff, KF3KWO
>
>

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716. Re: [TS-520_820_530_830] ADDING TO: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 12:48:41 UTC
From: Bill
Topic: 710 Message: 716

Cool!

Want to try a loop?

b

--- jeffnyberg <jjannanik@...> wrote:
> Neglected to mention that I'm using a homebrew
> monoband 10m dipole
> that I have successfully used with my HTX-10, which
> has now been put
> back into the car.
>
> 73 de Jeff
>
>

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717. Re: [TS-520_820_530_830] thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 12:57:22 UTC
From: Bill
Topic: 710 Message: 717

Even with a mismash, he should hear something...

b

--- Mike <mdietrich@...> wrote:
> Double check that your MC-50 is set for high
> impedance instead of low.
> There is a red dot on the cable connector from the
> base to the microphone,
> make sure it is on the same side as the red "H" on
> the microphone itself.
> Also make sure that the red dot on the radio to base
> connector is on the
> same side as the red dot on the base side, if that
> one is backwards the PTT
> will function but no signal can pass to the radio.

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718. Re: [TS-520_820_530_830] Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 14:31:35 UTC
From: Bill
Topic: 696 Message: 718

Get a ARRL handbook from about 1957-1969, then read up on tube circuits. You will find it very interesting. These handbooks can be had at hamfests and eBay for up to 25.00 depending on condition. You don't need the best condition because soon yours will be dogeared and coffee-stained! hi..

bill

jeffnyberg <jjannanik@...> wrote:
Bill,

Thanks for the hints. A lot of that is Greek to me, but I've gotten some reading material so I can try to understand these "new" terms. New for me, anyway. Never thought my first all-band rig would be 20 years old with tubes.

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Just go through the book tuneup procedure a couple of
> times.
>
> Main thing, is get that plate circuit resonated as
> quick as you can; once you do that you can relax a
> little.
>
> The tubes are pretty tough but there are limits.
>
> You should be able to tune the rig into a dummy load
> in about 5 seconds total transmit time with practice;
> then, reduce power and setup the tuner. That will
> actually take longer, than tuning the rig!
>
> Your radio will handle up to a 3:1 swr by itself; no
> need to use the tuner on the band that the antenna is
> cut for. That should simplify things.
>
> bill
> --- jeffnyberg <jjannanik@c...> wrote:
> > Dale and Bill,
> >
> > Thanks for your hints regarding the tuner. I'll
> > follow y'all's
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> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
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> > Jeff, KF3KWO
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[Non-text portions of this message have been removed]

719. Re: [TS-520_820_530_830] Re: best tuner for ts-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 14:34:19 UTC
From: Bill
Topic: 696 Message: 719

160 is tough with short antennas. You need broadcast duty stuff to tune anything shorter than 1/4 wave (132 feet, one side).

b

Dale Cole <k9ttt@...> wrote:
Jeff;
Bill's right...those tubes will take quite a beating, but that's not the idea hi hi. Had an 830s that would run almost anything EXCEPT a non-resonant 160 antenna! Blew the tuner, the finals, the diode protections to the finals, and of course the internal fuse hi hi. Don't do door knobs or screendoors and you'll be alright! You ll have a blast with that rig!
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Saturday, August 23, 2003 08:11:07 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: best tuner for ts-520SE

Bill,

Thanks for the hints. A lot of that is Greek to me, but I've gotten some reading material so I can try to understand these "new" terms. New for me, anyway. Never thought my first all-band rig would be 20 years old with tubes.

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Just go through the book tuneup procedure a couple of
> times.
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> Main thing, is get that plate circuit resonated as
> quick as you can; once you do that you can relax a
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> The tubes are pretty tough but there are limits.
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> You should be able to tune the rig into a dummy load
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> need to use the tuner on the band that the antenna is
> cut for. That should simplify things.
>
> bill
> --- jeffnyberg <jjannanik@c...> wrote:
> > Dale and Bill,
> >
> > Thanks for your hints regarding the tuner. I'll
> > follow y'all's
> > advice, as well as any other. My biggest fear with
> > operating the
> > 520SE is that I don't have any experience operating
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> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD
> > kf3kwo@a...
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[Non-text portions of this message have been removed]

720. RE: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 19:42:10 UTC
From: jeffnyberg
Topic: 710 Message: 720

I'll be using my MFJ 1786 Magnetic Loop for 20, 15, and 10. But strep throat has claimed its next victim, so I'll be in bed for the rest of today. If anyone would like to set a sked, please let me know. I'm home during the days and nights.

73 de Jeff, KF3KWO

721. Qucik Intro

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 19:37:31 UTC
From: G7RTI
Topic: 721 Message: 721

Hi there,
my name is Klaus, G7RTI, QTH High Wycombe near London/UK.
Obtained a TS520 a few days ago and now using it mainly on 40m.
I normally work SSB QRP (5w) but find 40m quite difficult at the moment.
I have looked at the mod suggestions for turning down the power and will
do that at some time - But it's nice to get through a times - though even
100w isn't that easy ....
Anyway, I'll be monitoring the emails to see what other users do with the
TS520.

Klaus

722. Re: [TS-520_820_530_830] RE: thanks again for 520SE help...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-25 21:18:38 UTC
From: Bill
Topic: 710 Message: 722

Hey jeff, praying for your fast recovery.

Rest up.

73,

Bill K0ZL

jeffnyberg <jjannanik@...> wrote:
I'll be using my MFJ 1786 Magnetic Loop for 20, 15, and 10. But
strep throat has claimed its next victim, so I'll be in bed for the
rest of today. If anyone would like to set a sked, please let me
know. I'm home during the days and nights.

73 de Jeff, KF3KWO

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[Non-text portions of this message have been removed]

723. Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 01:28:35 UTC
From: Jim
Topic: 723 Message: 723

I need the CW filters for my R-820 and Kenwood Parts shows them as out of stock and discontinued. Has anybody had experience, good or bad, with third party filters such as International Radio?

Also, does anybody know the difference between the YG-88C 500Hz CW filter and the YG-455C 500Hz CW filter? Why the heck would they put two 500 Hz filters into the R-820? I can understand the 250 Hz, but why the extra 500 Hz? And yes, the manual shows slots for 4 filters (6K AM, two .5K CW and a .25K CW).

Finally, are the models with similar numbers interchangeable? For example, the YG-455CN is discontinued but there is a YG-455CN-1 available. Or is that too easy.

73,
Jim

724. Re: [TS-520_820_530_830] Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 02:10:29 UTC
From: Mike
Topic: 723 Message: 724

>I need the CW filters for my R-820 and Kenwood Parts shows them as
>out of stock and discontinued. Has anybody had experience, good or
>bad, with third party filters such as International Radio?

I've had both InRad and Kenwood filters in my TS-440. The InRads had steeper rolloff skirts and a flatter bandpass than the Kenwoods. The result was better rejection just outside the cutoff frequencies and much less of a 'muted trumpet' sound on what was intended to pass through. The only drawback I had with them was that they were physically larger than the Kenwood filters which required some extra effort during installation (especially the SSB one.) This varies by radio model and InRad filter model, though. The other obvious advantage to the InRad filters is price and availability.

Please note that I'm not trying to imply that the Kenwood filters are junk, they most certainly are not. Just trying to set your mind at ease if you choose to go with the aftermarket filters.

>Also, does anybody know the difference between the YG-88C 500Hz CW
>filter and the YG-455C 500Hz CW filter? Why the heck would they put
>two 500 Hz filters into the R-820? I can understand the 250 Hz,
>but why the extra 500 Hz? And yes, the manual shows slots for 4
>filters (6K AM, two .5K CW and a .25K CW).

Different bandpass centers for different IF stages (8.8307 MHz vs 455 kHz.) Installing both would be redundant unless I am really misunderstanding something that the 820 is doing.

>Finally, are the models with similar numbers interchangeable? For
>example, the YG-455CN is discontinued but there is a YG-455CN-1
>available. Or is that too easy.

If it has the same center frequency, is pin for pin compatible, and physically fits one way or another there's no reason it couldn't be used. But that's probably not the answer you were looking for, hopefully someone else can answer with a definite yes or no.

725. Re: [TS-520_820_530_830] Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 02:56:08 UTC
From: Dale Cole
Topic: 723 Message: 725

Jim;
The answer you suggest is way too easy. First the filters are not interchangable. One solders in and the other screws down. The difference in the 8 and 455 filters is that they react to the different stages of the IF. Someone please correct me if I am wrong.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Monday, August 25, 2003 09:29:34 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Third Party Filters

I need the CW filters for my R-820 and Kenwood Parts shows them as out of stock and discontinued. Has anybody had experience, good or bad, with third party filters such as International Radio?

Also, does anybody know the difference between the YG-88C 500Hz CW filter and the YG-455C 500Hz CW filter? Why the heck would they put two 500 Hz filters into the R-820? I can understand the 250 Hz, but why the extra 500 Hz? And yes, the manual shows slots for 4 filters (6K AM, two .5K CW and a .25K CW).

Finally, are the models with similar numbers interchangeable? For example, the YG-455CN is discontinued but there is a YG-455CN-1 available. Or is that too easy.

73,
Jim

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726. Re: [TS-520_820_530_830] Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 03:44:46 UTC
From: Bill
Topic: 723 Message: 726

SEE COMMENTS BELOW:

Jim <K1ZC@...> wrote:
I need the CW filters for my R-820 and Kenwood Parts shows them as
out of stock and discontinued. Has anybody had experience, good or
bad, with third party filters such as International Radio?

>>IRC has good products; very good filters... Some mechanical compromise may be necessary; the filter may not fit exactly in the slot, but it will still work great.

Also, does anybody know the difference between the YG-88C 500Hz CW
filter and the YG-455C 500Hz CW filter? Why the heck would they put
two 500 Hz filters into the R-820? I can understand the 250 Hz,
but why the extra 500 Hz? And yes, the manual shows slots for 4
filters (6K AM, two .5K CW and a .25K CW).

>>one filter is for one IF, one is for the other. Together they make a potent QRM and noise reducer. two 500 hz filters give you the equivalent shape factor and BW of a 270 hz filter. two 270 hz filters give you a keyhole slot!

Finally, are the models with similar numbers interchangeable? For
example, the YG-455CN is discontinued but there is a YG-455CN-1
available. Or is that too easy.

>>The CN-1 versions are for the TS-850/450/690 and have a slightly different center frequency. They won't work.

>>I would start with the YK-88C equivalent from International, or from ebay, to start; if you are just a casual CW op, that will work fine for you.

73,
Jim

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727. Re: [TS-520_820_530_830] Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 11:16:50 UTC
From: f x
Topic: 723 Message: 727

Hi Jim,

I have both 500 Hz CW filters in my -830. They are the IRC vintage, and I had no problem following the directions to install them... BUT... as indicated in one of the other replies... They will "ring" when you cascade them, and are VERY VERY sharp... they also introduce some losses in the IF gain chain... (no free lunch)... When my rig was at Bill's place for some work, he installed a switch on the back so that I can select one or the other of the filters. With all the other control gizmos... (VBT, notch, PBT) one filter is plenty.... and it doesn't ring any more...

Good luck,

NYOY

Raleigh

Jim <K1ZC@...> wrote:
I need the CW filters for my R-820 and Kenwood Parts shows them as
out of stock and discontinued. Has anybody had experience, good or
bad, with third party filters such as International Radio?

Also, does anybody know the difference between the YG-88C 500Hz CW
filter and the YG-455C 500Hz CW filter? Why the heck would they put
two 500 Hz filters into the R-820? I can understand the 250 Hz,
but why the extra 500 Hz? And yes, the manual shows slots for 4
filters (6K AM, two .5K CW and a .25K CW).

Finally, are the models with similar numbers interchangeable? For
example, the YG-455CN is discontinued but there is a YG-455CN-1
available. Or is that too easy.

73,
Jim

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728. Re: [TS-520_820_530_830] Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 14:44:16 UTC
From: Bill
Topic: 723 Message: 728

The ringing can be fixed with proper tuning of the cans on either side of each filter... I have found that by carefully rocking the IF transformers on either side of a filter, while listening to a weak steady carrier, you can tweak for the best sound of the signal and basically eliminate the "ringing" effect. There can also be some ringing in the ears from using narrow filters (this is for real, I get it sometimes with certain room acoustics and speaker placement combinations)... try moving the station speaker, using a different speaker or (as in Raleigh's case) a wider filter setting.

I have trouble with high speed code on very narrow filters... cannot copy as well.

bill

f x <dawnlight1491@...> wrote:
Hi Jim,

I have both 500 Hz CW filters in my -830. They are the IRC vintage, and I had no problem following the directions to install them... BUT... as indicated in one of the other replies... They will "ring" when you cascade them, and are VERY VERY sharp... they also introduce some losses in the IF gain chain... (no free lunch)... When my rig was at Bill's place for some work, he installed a switch on the back so that I can select one or the other of the filters. With all the other control gizmos... (VBT, notch, PBT) one filter is plenty.... and it doesn't ring any more...

Good luck,

NYOY

Raleigh

Jim <K1ZC@...> wrote:
I need the CW filters for my R-820 and Kenwood Parts shows them as
out of stock and discontinued. Has anybody had experience, good or
bad, with third party filters such as International Radio?

Also, does anybody know the difference between the YG-88C 500Hz CW
filter and the YG-455C 500Hz CW filter? Why the heck would they put
two 500 Hz filters into the R-820? I can understand the 250 Hz,
but why the extra 500 Hz? And yes, the manual shows slots for 4
filters (6K AM, two .5K CW and a .25K CW).

Finally, are the models with similar numbers interchangeable? For
example, the YG-455CN is discontinued but there is a YG-455CN-1
available. Or is that too easy.

73,
Jim

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729. Re: [TS-520_820_530_830] Digest Number 204

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 19:03:13 UTC
From: Michael Rains
Topic: 729 Message: 729

In response to the question about aftermarket filters,
try Kiwa Electronics, www.kiwa.com/ their prices are
slightly less than Inrad, but I have no experience
with them.
FWIW,
Mike, korfi

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730. Re: TS-520se tuneup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 21:30:55 UTC
From: james27613@att.net
Topic: 730 Message: 730

Hi,

I copied the section of the manual for tuneup and have it
in one of those page protectors along with the band chart.

Just remember Drive Plate Load

73 james ke4drn

> > 520SE is that I don't have any experience operating
> > a radio with
> > tubes. I have received the owner's manual now, and
> > can follow the
> > procedure just fine. I plan to tune up tonight and
> > try out 10m with
> > my existing dipole. I just hope I do it right. Of
> > course I'll
> > follow the instructions to the letter, but it's the
> > whole "tube"
> > thing that is providing a challenge for me. A
> > little bit
> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD

731. Re: [TS-520_820_530_830] Re: TS-520se tuneup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 21:48:22 UTC
From: Dave Hurst
Topic: 730 Message: 731

10M is still open to you guys ? Must be nice !
Dave VE6DDT

james27613@... wrote:
Hi,

I copied the section of the manual for tuneup and have it
in one of those page protectors along with the band chart.

Just remember Drive Plate Load

73 james ke4drn

> > 520SE is that I don't have any experience operating
> > a radio with
> > tubes. I have received the owner's manual now, and
> > can follow the
> > procedure just fine. I plan to tune up tonight and
> > try out 10m with
> > my existing dipole. I just hope I do it right. Of
> > course I'll
> > follow the instructions to the letter, but it's the
> > whole "tube"
> > thing that is providing a challenge for me. A
> > little bit
> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD

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732. Re: [TS-520_820_530_830] Re: 10M

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-26 22:56:51 UTC
From: Bill
Topic: 730 Message: 732

It will come back as we approach fall. This should be an OK winter on 10, peaking every 21 days with the solar flux... watch the numbers, and pick a freq to monitor.

I use a full wave loop, very quiet and dedicated antenna to an HTX-10 set to some commonly used frequencys, including the beacon channel at 28.200

b

Dave Hurst <ve6ddt@...> wrote:
10M is still open to you guys ? Must be nice !
Dave VE6DDT

james27613@... wrote:
Hi,

I copied the section of the manual for tuneup and have it
in one of those page protectors along with the band chart.

Just remember Drive Plate Load

73 james ke4drn

> > 520SE is that I don't have any experience operating
> > a radio with
> > tubes. I have received the owner's manual now, and
> > can follow the
> > procedure just fine. I plan to tune up tonight and
> > try out 10m with
> > my existing dipole. I just hope I do it right. Of
> > course I'll
> > follow the instructions to the letter, but it's the
> > whole "tube"
> > thing that is providing a challenge for me. A
> > little bit
> > intimidating, I guess you could say.
> >
> > Thanks again and 73,
> >
> > Jeff, KF3KWO
> > Odenton, MD

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733. Re: Third Party Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-27 00:51:26 UTC
From: Jim
Topic: 723 Message: 733

Thanks to all for the education on filters, it answered my questions nicely.

73,
Jim

734. Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-28 11:31:29 UTC
From: Gary & Carrie Meyer
Topic: 734 Message: 734

Gentlemen

I'm looking for a good hand mic. I have tried a couple of old ones I had here and nothing is satisfactory. I think it needs to be low impedence. Maybe a MC-30 or something like that. I've got the end and coiled cord but no mic. If anybody has one laying around that they would sell, let me know and I will send you a check.

KC?NPJ Gary

735. Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-30 05:16:01 UTC
From: va3
Topic: 735 Message: 735

Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

[Non-text portions of this message have been removed]

736. Re: [TS-520_820_530_830] Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-30 12:09:01 UTC
From: f x
Topic: 735 Message: 736

Yup... works fine.

73

va3 <va3@...> wrote:
Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

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737. Re: [TS-520_820_530_830] Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-30 17:54:12 UTC
From: Bill
Topic: 735 Message: 737

Ask the moderator of that group if you are on "moderate" status... often that will delay posting until they approve it.

I use that tool for new members; cuts down on spamming of the group. Once I figure they are "ok", then I un-moderate them.

bill

va3 <va3@...> wrote:
Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

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[Non-text portions of this message have been removed]

738. Re: [TS-520_820_530_830] Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-30 23:35:21 UTC
From: va3
Topic: 735 Message: 738

Thanks Bill and the few other that replyed back,i have to keep that in mine that now and then when my email does not show up until the next or two,take care.
73's
awc
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, August 30, 2003 1:54 PM
Subject: Re: [TS-520_820_530_830] Hello.

Ask the moderator of that group if you are on "moderate" status... often that will delay posting until they approve it.

I use that tool for new members; cuts down on spamming of the group. Once I figure they are "ok", then I un-moderate them.

bill

va3 <va3@...> wrote:
Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

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739. no ALC on 3.5 or 7

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-31 13:24:05 UTC
From: mamba000
Topic: 739 Message: 739

Hi All,

There's a bit of a story behind this one.....
are you all sitting comfortably??????????

OK. Bought this set (ts 520 not S or SE)from ebay as a non-working item, O/P stage burned up.

Further examination revealed that a previous repairer had replaced parts on the rectifier board, and had swopped the -120v line with the +300v line!!!!!!!!

I have rebuilt the o/p section and replaced the tubes, replaced all the burned resistors I could find along the -120v line, tested the driver tube, and fired up.

Receive seems ok now, as does transmit on all bands apart from 3.5 and 7MHz. There is no 1.8 on this early version.

I noticed that when in the 3.5 or 7 MHz bands, there is no ALC.

I can get 80-90 watts on all other bands.

I have netralized the output tubes.

Can anyone give me any clues as to where to look next?

This is a nice example of the early TS520 and it would be nice to restore it to it's former glory.

Best regards, Steve.

740. Re: [TS-520_820_530_830] Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-31 13:46:28 UTC
From: Bill
Topic: 735 Message: 740

You are not set to "moderated" on this group; however, I have noticed that my posts to groups can take up to 4 hours to show up nonetheless. Depends on Yahoo traffic.

If I think I am having trouble with an account, I send mail to myself directly, from one account to the other; that shows me if there is a problem with my accounts or with the servers.

73,

Bill

va3 <va3@...> wrote:
Thanks Bill and the few other that replyed back,i have to keep that in mine that now and then when my email does not show up until the next or two,take care.
73's
awc
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, August 30, 2003 1:54 PM
Subject: Re: [TS-520_820_530_830] Hello.

Ask the moderator of that group if you are on "moderate" status... often that will delay posting until they approve it.

I use that tool for new members; cuts down on spamming of the group. Once I figure they are "ok", then I un-moderate them.

bill

va3 <va3@...> wrote:
Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

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741. Re: [TS-520_820_530_830] no ALC on 3.5 or 7

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-08-31 13:55:39 UTC
From: Bill
Topic: 739 Message: 741

ALC depends on the PA tubes drawing grid current on voice peaks (or on CW for that matter, with sufficient drive). That means the grids have to go positive on each cycle of RF, takes about 50-60 volts peak to peak to do that. May even be your ALC detect circuit half-out, or the blocking cap leaky, pulling the charge off the detector before it has a chance to act and give meter swing.

bill

mamba000 <steve@...> wrote:
Hi All,

There's a bit of a story behind this one.....
are you all sitting comfortably??????????

OK. Bought this set (ts 520 not S or SE)from ebay as a non-working item, O/P stage burned up.

Further examination revealed that a previous repairer had replaced parts on the rectifier board, and had swopped the -120v line with the +300v line!!!!!!!!

I have rebuilt the o/p section and replaced the tubes, replaced all the burned resistors I could find along the -120v line, tested the driver tube, and fired up.

Receive seems ok now, as does transmit on all bands apart from 3.5 and 7MHz. There is no 1.8 on this early version.

I noticed that when in the 3.5 or 7 MHz bands, there is no ALC.

I can get 80-90 watts on all other bands.

I have netralized the output tubes.

Can anyone give me any clues as to where to look next?

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Best regards, Steve.

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[Non-text portions of this message have been removed]

742. Re: [TS-520_820_530_830] Hello.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-01 00:20:19 UTC
From: va3
Topic: 735 Message: 742

Thanks Bill,i'll keep this in mine next time it happens.
73's
awc
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, August 31, 2003 9:46 AM
Subject: Re: [TS-520_820_530_830] Hello.

You are not set to "moderated" on this group; however, I have noticed that my posts to groups can take up to 4 hours to show up nonetheless. Depends on Yahoo traffic.

If I think I am having trouble with an account, I send mail to myself directly, from one account to the other; that shows me if there is a problem with my accounts or with the servers.

73,

Bill

va3 <va3@...> wrote:
Thanks Bill and the few other that replyed back,i have to keep that in mine that now and then when my email does not show up until the next or two,take care.
73's
awc
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, August 30, 2003 1:54 PM
Subject: Re: [TS-520_820_530_830] Hello.

Ask the moderator of that group if you are on "moderate" status... often that will delay posting until they approve it.

I use that tool for new members; cuts down on spamming of the group. Once I figure they are "ok", then I un-moderate them.

bill

va3 <va3@...> wrote:
Just sending this email to see if its working.For some reason my email i sent before to another group did not make it there.Anyways
73's for now.
awc

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

743. TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-02 16:46:48 UTC
From: Manuel Merayo
Topic: 743 Message: 743

Hello,
I would like to Know where I can find the TS-530 S Operator´s manual, in PDF format.
thanks
Manuel

Yahoo! Messenger
Nueva versión: Super Webcam, voz, caritas animadas, y más #161;Gratis!

[Non-text portions of this message have been removed]

744. TS-530S TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-02 17:48:18 UTC
From: manuel_merayo
Topic: 744 Message: 744

Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

745. RE: [TS-520_820_530_830] TS-530S TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-03 14:26:11 UTC
From: Allen, Horace (Sam) (IndSys, Pwr. Equi
Topic: 744 Message: 745

Manuel,
Could you have your microphone plugged in up side down?
Can you turn your plug over and plug it back into the rig?

Best regards,
Sam Allen
>

-----Original Message-----
From: manuel_merayo [mailto:manuel_merayo@...]
Sent: Tuesday, September 02, 2003 12:48 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530S TX

Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

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746. Re: [TS-520_820_530_830] TS-530S TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-03 15:56:30 UTC
From: Bill
Topic: 744 Message: 746

Can you hear the transmit relay clicking?

vuestro engles esta muy bien Manuel.

Vy 73,

Bill

manuel_merayo <manuel_merayo@...> wrote:
Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

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[Non-text portions of this message have been removed]

747. Re: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-03 21:29:01 UTC
From: Dave Hurst
Topic: 743 Message: 747

Closest I can get you to, is:

www.mods.dk

Go to the kenwood box - click on it - a screen will open up on the left side.
Go to Manuals.

I did not see anything for the TS-530S - but, the 520 and 830 were there.

73
Dave VE6DDT
ee

Manuel Merayo <manuel_merayo@...> wrote:
Hello,
I would like to Know where I can find the TS-530 S Operator?s manual, in PDF format.
thanks
Manuel

Yahoo! Messenger
Nueva versi?n: Super Webcam, voz, caritas animadas, y m?s #161;Gratis!

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[Non-text portions of this message have been removed]

748. RE: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-03 22:55:01 UTC
From: bill stevenson
Topic: 743 Message: 748

Hi Manuel,
i have a ts530s and i am scanning the manual in and converting it
to .pdf. I will be posting it at the www.mods.dk site. I did have it on pdf
but have mislaid my copy.
When it is done i will forward a copy to you. Probably be done by this
weekend so about 4 or 5 days.

73 de Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 02 September 2003 16:47
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530S manual

Hello,
I would like to Know where I can find the TS-530 S Operator?s manual, in PDF
format.
thanks
Manuel

Yahoo! Messenger
Nueva versión: Super Webcam, voz, caritas animadas, y más
#161;Gratis!

[Non-text portions of this message have been removed]

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749. RE: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 00:16:07 UTC
From: Manuel Merayo
Topic: 743 Message: 749

Hi Bill,
Thanks alot for your help, I really apreciate that
73, Manuel

bill stevenson <g4kki.bill@...> wrote:
Hi Manuel,
i have a ts530s and i am scanning the manual in and converting it
to .pdf. I will be posting it at the www.mods.dk site. I did have it on pdf
but have mislaid my copy.
When it is done i will forward a copy to you. Probably be done by this
weekend so about 4 or 5 days.

73 de Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 02 September 2003 16:47
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530S manual

Hello,
I would like to Know where I can find the TS-530 S Operator´s manual, in PDF
format.
thanks
Manuel

Yahoo! Messenger
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#161;Gratis!

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[Non-text portions of this message have been removed]

750. Re: [TS-520_820_530_830] TS-530S TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 00:42:57 UTC
From: Manuel Merayo
Topic: 744 Message: 750

Hi Bill,
When I push the PTT in the microfone, yes I can hear something like a relay, but I am not sure were this sounds comes, the needle goes all left, even If I turn the the Load or the Drive control....Before you ask me, I was thiking in the needle when It's moving the place I toll You, I put a SWR tester and there is not movement in IT..... no power goes out, this its there reason I ask for how much brigth I supose to see in the tubes

Thank You Bill
Manuel

Bill <coorsbill@...> wrote:
Can you hear the transmit relay clicking?

vuestro engles esta muy bien Manuel.

Vy 73,

Bill

manuel_merayo <manuel_merayo@...> wrote:
Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

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751. Re: [TS-520_820_530_830] TS-530S TX

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 03:32:29 UTC
From: Bill
Topic: 744 Message: 751

The tubes should be dull red inside, like sunset!

On the back of the radio is a switch labeled "SG". It must be ON for the transmitter to work.

bill

Manuel Merayo <manuel_merayo@...> wrote:
Hi Bill,
When I push the PTT in the microfone, yes I can hear something like a relay, but I am not sure were this sounds comes, the needle goes all left, even If I turn the the Load or the Drive control....Before you ask me, I was thiking in the needle when It's moving the place I toll You, I put a SWR tester and there is not movement in IT..... no power goes out, this its there reason I ask for how much brigth I supose to see in the tubes

Thank You Bill
Manuel

Bill <coorsbill@...> wrote:
Can you hear the transmit relay clicking?

vuestro engles esta muy bien Manuel.

Vy 73,

Bill

manuel_merayo <manuel_merayo@...> wrote:
Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

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[Non-text portions of this message have been removed]

752. Re: [TS-520_820_530_830] no ALC on 3.5 or 7

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 06:37:30 UTC
From: Steve
Topic: 739 Message: 752

Hi Bill, thanks for your reply.
----- Original Message -----
From: Bill
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, August 31, 2003 2:55 PM
Subject: Re: [TS-520_820_530_830] no ALC on 3.5 or 7

ALC depends on the PA tubes drawing grid current on voice peaks (or on CW for that matter, with sufficient drive). That means the grids have to go positive on each cycle of RF, takes about 50-60 volts peak to peak to do that. May even be your ALC detect circuit half-out, or the blocking cap leaky, pulling the charge off the detector before it has a chance to act and give meter swing.

bill

mamba000 <steve@...> wrote:
Hi All,

There's a bit of a story behind this one.....
are you all sitting comfortably??????????

OK. Bought this set (ts 520 not S or SE)from ebay as a non-working item, O/P stage burned up.

Further examination revealed that a previous repairer had replaced parts on the rectifier board, and had swopped the -120v line with the +300v line!!!!!!!!

I have rebuilt the o/p section and replaced the tubes, replaced all the burned resistors I could find along the -120v line, tested the driver tube, and fired up.

Receive seems ok now, as does transmit on all bands apart from 3.5 and 7MHz. There is no 1.8 on this early version.

I noticed that when in the 3.5 or 7 MHz bands, there is no ALC.

I can get 80-90 watts on all other bands.

I have netralized the output tubes.

Can anyone give me any clues as to where to look next?

This is a nice example of the early TS520 and it would be nice to restore it to it's former glory.

Best regards, Steve.

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753. External VFO ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 14:34:45 UTC
From: Werner, Klaus
Topic: 753 Message: 753

Hi,
I am quite happy with my TS520, works well on 40 & 20m.
Higher Bands very quiet and 80m gives me TVI - still to
be addressed.
There is a regular trickle of TS520 items on ebay. The
one I am not really sure is the external VFO - why would
I use one? I am sure it's to do with the level of technology
available 25 years ago ...
Me I am of the "black box" generation ... hi !!
Thanks.
Klaus G7RTI

754. RE: [TS-520_820_530_830] External VFO ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 04:55:57 UTC
From: Bill
Topic: 753 Message: 754

An external vfo allows you to work "Split" That is, you can transmit and receive on different frequencies. This is very important if you plan to work
rare dx or dx in general that frequently works split frequencies in order to manage the pileups that normally take place.

K2WH
-----Original Message-----
From: Werner, Klaus [mailto:klaus.werner@...]
Sent: Thursday, September 04, 2003 20:35 PM
To: 'TS-520_820_530_830@yahoogroups.com'
Subject: [TS-520_820_530_830] External VFO ??

Hi,
I am quite happy with my TS520, works well on 40 & 20m.
Higher Bands very quiet and 80m gives me TVI - still to be addressed.
There is a regular trickle of TS520 items on ebay. The one I am not really sure is the external VFO - why would I use one? I am sure it's to do with the level of technology available 25 years ago ...
Me I am of the "black box" generation ... hi !!
Thanks.
Klaus G7RTI

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755. Re: ts-530S no tx with mike

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-04 21:06:36 UTC
From: james27613@att.net
Topic: 755 Message: 755

Hi,

Can you check the Mic Gain on the front panel ?

If you remove the mic and switch to CW and use a key
will the radio transmit ?

Mabye wire or bad solder connection in the mic plug.

Are you using Kenwood Microphone mc50 or other mic ?

73 james ke4drn

Date: Tue, 02 Sep 2003 17:48:18 -0000
From: "manuel_merayo" <manuel_merayo@...>
Subject: TS-530S TX

Hello, I would like to Know why my TS-530S, does not TX when I push
the PPT. there is no movement in the needle, the Tubes looks like on,
but only a litlle.....
(all you will have to excuse my English, I really speak Spanish)

I will apreciate any help about this
thanks
Manuel

756. Re: TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 20:50:37 UTC
From: David Dearnley
Topic: 743 Message: 756

Manuel,

Try this link

http://www.kg6haf.com/kenwood.html

73,
Dave N0FAA

--- In TS-520_820_530_830@yahoogroups.com, Manuel Merayo
<manuel_merayo@y...> wrote:
> Hello,
> I would like to Know where I can find the TS-530 S Operator´s
manual, in PDF format.
> thanks
> Manuel
>
>
>
> ---------------------------------
> Yahoo! Messenger
> Nueva versión: Super Webcam, voz, caritas animadas, y
más #161;Gratis!
>
> [Non-text portions of this message have been removed]

757. Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 21:47:54 UTC
From: DW
Topic: 757 Message: 757

I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
limits me, as a random is about the only way that I
can get onto HF.

Are they being overcautious, or is there really a
problem here? I would presume that after proper
tuning into a dummy load, and pre-tuning the random on
receive, that tuning into the wire shouldn't be a big
deal....or do I have cranial rectalitis again??

Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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758. Re: [TS-520_820_530_830] Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 23:10:51 UTC
From: f x
Topic: 757 Message: 758

Hi DW...

As you probably remember from theory, each 1/4 wavelength of antenna has a minimum impedance point... at other places, like half waves, it is very high, perhaps a few thousand ohms... The problem is that your transmitter wants to see not more than 3:1 SWR... and also, random wires need an RF ground to work against.. But, all is not lost...

First get an antenna tuner between the rig and the random wire... Then, get as good a ground as is available...both for DC and RF... the RF ground can be a piece of wire 1/4 wave long run around the baseboard...(MFJ makes a tuner for ground wires like this)

If you do not do these kinds of things, you will end up with lots of RF in the shack, and on the phone and power lines... and the rig won't like it...

One last thing... the wire you run around the apartment will be hot with RF... you need to take precautions that the unwary or uninitiated do not contact this wire while you are transmitting... even as little as 25 watts can give a nasty RF burn, and there will be spots of very high voltage along the length of the random wire..... (voice of experience... burned a hole in the ball of my thumb, clear to the bone... 25 watts at 144 MHZ) For instance, to make the math easy, lets say your antenna exhibits an impedance, somewhere along its length of 1000 ohms, and you have put 100 watts into it... P=E2/R.... 100x1000=Esq... E = 1,000 volts of RF!!!!

And the wire will be hot and perhaps unshielded from the antenna connector out...

Having said all this, when I first set up in Ft. Worth some years ago, I used a setup much like you will have... and it worked OK... but I was cautious about things...

regards

Raleigh

NY0Y

DW <andersonradioactivity@...> wrote:
I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
limits me, as a random is about the only way that I
can get onto HF.

Are they being overcautious, or is there really a
problem here? I would presume that after proper
tuning into a dummy load, and pre-tuning the random on
receive, that tuning into the wire shouldn't be a big
deal....or do I have cranial rectalitis again??

Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

_____
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[Non-text portions of this message have been removed]

759. Re: [TS-520_820_530_830] Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 23:11:38 UTC
From: f x
Topic: 757 Message: 759

Hi DW...

As you probably remember from theory, each 1/4 wavelength of antenna has a minimum impedance point... at other places, like half waves, it is very high, perhaps a few thousand ohms... The problem is that your transmitter wants to see not more than 3:1 SWR... and also, random wires need an RF ground to work against.. But, all is not lost...

First get an antenna tuner between the rig and the random wire... Then, get as good a ground as is available...both for DC and RF... the RF ground can be a piece of wire 1/4 wave long run around the baseboard...(MFJ makes a tuner for ground wires like this)

If you do not do these kinds of things, you will end up with lots of RF in the shack, and on the phone and power lines... and the rig won't like it...

One last thing... the wire you run around the apartment will be hot with RF... you need to take precautions that the unwary or uninitiated do not contact this wire while you are transmitting... even as little as 25 watts can give a nasty RF burn, and there will be spots of very high voltage along the length of the random wire..... (voice of experience... burned a hole in the ball of my thumb, clear to the bone... 25 watts at 144 MHZ) For instance, to make the math easy, lets say your antenna exhibits an impedance, somewhere along its length of 1000 ohms, and you have put 100 watts into it... P=E2/R.... 100x1000=Esq... E = 1,000 volts of RF!!!!

And the wire will be hot and perhaps unshielded from the antenna connector out...

Having said all this, when I first set up in Ft. Worth some years ago, I used a setup much like you will have... and it worked OK... but I was cautious about things...

regards

Raleigh

NY0Y

DW <andersonradioactivity@...> wrote:
I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
limits me, as a random is about the only way that I
can get onto HF.

Are they being overcautious, or is there really a
problem here? I would presume that after proper
tuning into a dummy load, and pre-tuning the random on
receive, that tuning into the wire shouldn't be a big
deal....or do I have cranial rectalitis again??

Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

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<><And My Fortress
><>And My Deliverer Psalm 18:2

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[Non-text portions of this message have been removed]

760. Re: [TS-520_820_530_830] Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 23:11:01 UTC
From: f x
Topic: 757 Message: 760

Hi DW...

As you probably remember from theory, each 1/4 wavelength of antenna has a minimum impedance point... at other places, like half waves, it is very high, perhaps a few thousand ohms... The problem is that your transmitter wants to see not more than 3:1 SWR... and also, random wires need an RF ground to work against.. But, all is not lost...

First get an antenna tuner between the rig and the random wire... Then, get as good a ground as is available...both for DC and RF... the RF ground can be a piece of wire 1/4 wave long run around the baseboard...(MFJ makes a tuner for ground wires like this)

If you do not do these kinds of things, you will end up with lots of RF in the shack, and on the phone and power lines... and the rig won't like it...

One last thing... the wire you run around the apartment will be hot with RF... you need to take precautions that the unwary or uninitiated do not contact this wire while you are transmitting... even as little as 25 watts can give a nasty RF burn, and there will be spots of very high voltage along the length of the random wire..... (voice of experience... burned a hole in the ball of my thumb, clear to the bone... 25 watts at 144 MHZ) For instance, to make the math easy, lets say your antenna exhibits an impedance, somewhere along its length of 1000 ohms, and you have put 100 watts into it... P=E2/R.... 100x1000=Esq... E = 1,000 volts of RF!!!!

And the wire will be hot and perhaps unshielded from the antenna connector out...

Having said all this, when I first set up in Ft. Worth some years ago, I used a setup much like you will have... and it worked OK... but I was cautious about things...

regards

Raleigh

NY0Y

DW <andersonradioactivity@...> wrote:
I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
limits me, as a random is about the only way that I
can get onto HF.

Are they being overcautious, or is there really a
problem here? I would presume that after proper
tuning into a dummy load, and pre-tuning the random on
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deal....or do I have cranial rectalitis again??

Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

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[Non-text portions of this message have been removed]

761. Re: [TS-520_820_530_830] Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-06 23:12:34 UTC
From: f x
Topic: 757 Message: 761

Hi DW...

As you probably remember from theory, each 1/4 wavelength of antenna has a minimum impedance point... at other places, like half waves, it is very high, perhaps a few thousand ohms... The problem is that your transmitter wants to see not more than 3:1 SWR... and also, random wires need an RF ground to work against.. But, all is not lost...

First get an antenna tuner between the rig and the random wire... Then, get as good a ground as is available...both for DC and RF... the RF ground can be a piece of wire 1/4 wave long run around the baseboard...(MFJ makes a tuner for ground wires like this)

If you do not do these kinds of things, you will end up with lots of RF in the shack, and on the phone and power lines... and the rig won't like it...

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And the wire will be hot and perhaps unshielded from the antenna connector out...

Having said all this, when I first set up in Ft. Worth some years ago, I used a setup much like you will have... and it worked OK... but I was cautious about things...

regards

Raleigh

NY0Y

DW <andersonradioactivity@...> wrote:
I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
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Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

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762. Re: [TS-520_820_530_830] Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-07 04:03:26 UTC
From: Bill
Topic: 757 Message: 762

Stick to tuned antennas for the 520... that means random wire, through a tuner, or dipoles and whatnot.

The 520 can handle up to 3:1 swr; however, if you feed even a resonant 1/4 wave wire on the design frequency, your radio will be hotter than a chili peppa for RF!!!

bill

DW <andersonradioactivity@...> wrote:
I was just browsing through the manual for my TS-520,
and noticed that it specifically warns against random
wire antennas. As an apartment dweller, this severely
limits me, as a random is about the only way that I
can get onto HF.

Are they being overcautious, or is there really a
problem here? I would presume that after proper
tuning into a dummy load, and pre-tuning the random on
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Thanks,

=====
DW White

73 & Semper Fi, KE6WYB, Anderson, Shasta County, CA, Grid CN80, Sacramento Valley Section

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763. Should plate idle current be the same for all modes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-07 16:57:19 UTC
From: Jim
Topic: 763 Message: 763

When I go through the tuning procedure for my TS-820S, I start by checking the IP. Normally, I am in USB mode when I do this and I have adjusted the bias pot in the rear of the rig to be spot on 600ma. Today I noticed that with the mode switch in CW, it draws a bit more than 600ma (more like 700-720 ma).

Is this normal or is there something I need to tweak inside?

73,
Jim

764. Re: [TS-520_820_530_830] Should plate idle current be the same for all modes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-07 18:07:29 UTC
From: Bill
Topic: 763 Message: 764

Jim, that should be 60mA, not 600.

Bias will go up and down with your line voltage; could be no one was cooking breakfast this morning on your block or something.

You can run as low as 30mA with no reportable distortion on your signal; give it a try and ask someone to check your bandwidth (make sure their noise blanker is off first!).

I run my tube amp much lower than the recommended bias with no complaints for that particular set of tubes, so far.

bill

Jim <K1ZC@...> wrote:
When I go through the tuning procedure for my TS-820S, I start by
checking the IP. Normally, I am in USB mode when I do this and I
have adjusted the bias pot in the rear of the rig to be spot on
600ma. Today I noticed that with the mode switch in CW, it draws a
bit more than 600ma (more like 700-720 ma).

Is this normal or is there something I need to tweak inside?

73,
Jim

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765. Re: Should plate idle current be the same for all modes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-07 21:54:46 UTC
From: greenmoldydonuts
Topic: 763 Message: 765

...and what would be the purpose of running the bias at less than 60 ma? Just to conserve tube life? I am assuming that running it over 60 ma can cause distortion and shorten tube light right?

Bernie in ND
WD0GMD

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Jim, that should be 60mA, not 600.
>
> Bias will go up and down with your line voltage; could be no one was cooking breakfast this morning on your block or something.
>
> You can run as low as 30mA with no reportable distortion on your signal; give it a try and ask someone to check your bandwidth (make sure their noise blanker is off first!).
>
> I run my tube amp much lower than the recommended bias with no complaints for that particular set of tubes, so far.
>
> bill
>
> Jim <K1ZC@c...> wrote:
> When I go through the tuning procedure for my TS-820S, I start by
> checking the IP. Normally, I am in USB mode when I do this and I
> have adjusted the bias pot in the rear of the rig to be spot on
> 600ma. Today I noticed that with the mode switch in CW, it draws a
> bit more than 600ma (more like 700-720 ma).
>
> Is this normal or is there something I need to tweak inside?
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> 73,
> Jim
>
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766. Connecting up a key

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-08 05:04:49 UTC
From: Grant McDuling
Topic: 766 Message: 766

G'day fellas,

I have just bought a great 520SE that came with the original manual, which says the CW key must be connected up using shielded wire. I have a stright key with two lugs on either side of the straight arm and one at the rear. I guess I connect the centre strand to the one lug and the shield to the other. But does the shield have to be earthed? If so, do I run a wire from the shield lug to the chassis of the rig (the earth nut)?

73s
Grant
VK4JAZ

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767. Re: [TS-520_820_530_830] Connecting up a key

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-08 11:30:01 UTC
From: Mike
Topic: 766 Message: 767

The non-tip side of the key plug into the TS-520 is chassis grounded so you don't need to worry about grounding. The reason for the shielding is to keep any stray RF out of the rig that might be picked up by the key wiring. I personally use RG-174 to connect my straight key to any given rig and no problems yet. If your key has a post that is connected to the key base (ground) then connect the shield to that. If not, don't worry and just connect the key posts to whichever side of the cable.

>I have just bought a great 520SE that came with the
>original manual, which says the CW key must be
>connected up using shielded wire. I have a stright key
>with two lugs on either side of the straight arm and
>one at the rear. I guess I connect the centre strand
>to the one lug and the shield to the other. But does
>the shield have to be earthed? If so, do I run a wire
>from the shield lug to the chassis of the rig (the
>earth nut)?

768. Re: [TS-520_820_530_830] Re: Should plate idle current be the same for all modes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-08 12:32:34 UTC
From: Bill
Topic: 763 Message: 768

Over 60 will increase plate dissipation, which is critical if you are running 6146A or 6146W with only 25 watts plate diss. ratings... not so critical with the 6146B at 35 watts plate.

0.030 amps per tube * 800v = 24 watts, with the A or W tubes, you are idling right at the tubes' max ratings. Which is OK unless you like PSK31 or long key-downs to tune up!

I like 0.020 amps per tube (40mA total), 0.020 * 800 = 16 watts per tube, much better.

As I said, most tubes will not cause distortion complaints until you get very near cutoff (0mA). If you only EVER run CW, you can actually reduce (increase?) your bias to 0mA and the radio is perfectly happy! Just don't run fone there... Class C is very efficient for CW but murder on fone sigs for distortion.

My SB-220 is supposed to run 220mA (0.11 * 2700v = 300w per tube dissipation; tube is rated at 500w, you are already 60 percent there. I removed one tube, then biased the remaining tube down to 60mA... I call it my class AB-C amp, hi... no complaint on distortion (work guys on USB, get 20 over 9 report, have them flip over to LSB, same freq, they report they can't hear my third-order products above the noise at S5). At 60mA and high plate voltage of 2700, the tube is idling at 162 watts, at low plate V of 2100 at 126 watts.. loafing.. power supply much happier also.

b

greenmoldydonuts <barcand@...> wrote:
...and what would be the purpose of running the bias at less than 60 ma? Just to conserve tube life? I am assuming that running it over 60 ma can cause distortion and shorten tube light right?

Bernie in ND
WD0GMD

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Jim, that should be 60mA, not 600.
>
> Bias will go up and down with your line voltage; could be no one was cooking breakfast this morning on your block or something.
>
> You can run as low as 30mA with no reportable distortion on your signal; give it a try and ask someone to check your bandwidth (make sure their noise blanker is off first!).
>
> I run my tube amp much lower than the recommended bias with no complaints for that particular set of tubes, so far.

>
> bill
>
> Jim <K1ZC@c...> wrote:
> When I go through the tuning procedure for my TS-820S, I start by
> checking the IP. Normally, I am in USB mode when I do this and I
> have adjusted the bias pot in the rear of the rig to be spot on
> 600ma. Today I noticed that with the mode switch in CW, it draws a
> bit more than 600ma (more like 700-720 ma).
>
> Is this normal or is there something I need to tweak inside?
>
> 73,
> Jim
>
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769. Re: [TS-520_820_530_830] Connecting up a key

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-08 12:42:27 UTC
From: Bill
Topic: 766 Message: 769

Only connect the cable to the key, shield to one term, center to other, straight to rig. No need to earth anything else.

b

Grant McDuling <grantmcduling@...> wrote:
G'day fellas,

I have just bought a great 520SE that came with the
original manual, which says the CW key must be
connected up using shielded wire. I have a stright key
with two lugs on either side of the straight arm and
one at the rear. I guess I connect the centre strand
to the one lug and the shield to the other. But does
the shield have to be earthed? If so, do I run a wire
from the shield lug to the chassis of the rig (the
earth nut)?

73s
Grant
VK4JAZ

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770. Long Wires

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-10 05:48:48 UTC
From: DW
Topic: 757 Message: 770

Thanks for the help guys. I hadn't even considered
the possibility that anyone would try to use a
longwire w/o a tuner and counterpoise, but I guess
that anything's possible. That must be what Kenwood
was thinking when they wrote that up.

DW

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771. Looking for a mic connector source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-13 21:37:47 UTC
From: robjaw1
Topic: 771 Message: 771

Can anyone let me know who would be a good source to get the 4 pin connector and socekt for the microphone on the TS-820S, also looking to find same for the TS-430S 8 pin.
Thanks
Rob
KB3JZG

772. RE: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-13 23:09:56 UTC
From: bill stevenson
Topic: 743 Message: 772

Hi Manuel,
i have not forgotten about the manual for the ts530s, but
i have not been very well over the last week and have not completed the
scannig.
As soon as i get it done i will send you a copy.

73 for now

Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 04 September 2003 00:16
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] TS-530S manual

Hi Bill,
Thanks alot for your help, I really apreciate that
73, Manuel

bill stevenson <g4kki.bill@...> wrote:
Hi Manuel,
i have a ts530s and i am scanning the manual in and converting
it
to .pdf. I will be posting it at the www.mods.dk site. I did have it on pdf
but have mislaid my copy.
When it is done i will forward a copy to you. Probably be done by this
weekend so about 4 or 5 days.

73 de Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 02 September 2003 16:47
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530S manual

Hello,
I would like to Know where I can find the TS-530 S Operator?s manual, in PDF
format.
thanks
Manuel

Yahoo! Messenger
Nueva versión: Super Webcam, voz, caritas animadas, y más
#161;Gratis!

[Non-text portions of this message have been removed]

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#161;Gratis!

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773. Re: [TS-520_820_530_830] Looking for a mic connector source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-14 02:06:33 UTC
From: Dale Cole
Topic: 771 Message: 773

Rob;
This won't help you immediately, but keep your eye out for a product Kenwood made along time ago. I believe they were pn# MA48, 46, and 48 (I can't find my lit book). They were mic adaptors which would adapt 4 to 6, 6 to 8, 8 to 4, etc. They are kinda salty now because they are pretty rare, but I see them on eBay occasionally.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Saturday, September 13, 2003 05:39:02 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Looking for a mic connector source

Can anyone let me know who would be a good source to get the 4 pin connector and socekt for the microphone on the TS-820S, also looking to find same for the TS-430S 8 pin.
Thanks
Rob
KB3JZG

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774. Re: Mic Connectors 4 Pin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-14 13:09:14 UTC
From: james27613@att.net
Topic: 774 Message: 774

Hi,

Radio shack if you are in a hurry or

http://www.packetradio.com

This is the home of the Rascal interface and wealth of info on sstv, packet, etc.

Buck is good to do business with.

MJ-84 is kenwood adapter from 8 pin mic to 4 pin mice connector (female)
They are hard to find but you can make your own patch cord up if you want to.

73 james ke4drn

> Can anyone let me know who would be a good source to get the 4 pin
> connector and socekt for the microphone on the TS-820S, also looking
> to find same for the TS-430S 8 pin.
> Thanks
> Rob
> KB3JZG

775. Re: [TS-520_820_530_830] Looking for a mic connector source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-14 21:19:47 UTC
From: DW
Topic: 771 Message: 775

I believe that Heil Sound carries them.

=====
DW White

KE6WYB, Shasta County, CA, CN80

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_____
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776. Re: [TS-520_820_530_830] Looking for a mic connector source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-15 12:53:08 UTC
From: Stan Bruederle
Topic: 771 Message: 776

I bought a 4 pin mike connector for my TS-820S at Ham Radio Outlet. They also had 8 pin connectors.

Stan
KK6SA
----- Original Message -----
From: DW
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, September 14, 2003 2:19 PM
Subject: Re: [TS-520_820_530_830] Looking for a mic connector source

I believe that Heil Sound carries them.

=====
DW White

KE6WYB, Shasta County, CA, CN80

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777. Re: [TS-520_820_530_830] Looking for a mic connector source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-15 12:56:47 UTC
From: Bill
Topic: 771 Message: 777

You can also find these at Radio Shack, I think they will fit.

Are you replacing connectors in a rig or building a new project?

bill

robjaw1 <robjaw1@...> wrote:
Can anyone let me know who would be a good source to get the 4 pin
connector and socekt for the microphone on the TS-820S, also looking
to find same for the TS-430S 8 pin.
Thanks
Rob
KB3JZG

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[Non-text portions of this message have been removed]

778. Re: Looking for a mic connector source - Thanks All!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-15 18:10:49 UTC
From: robjaw1
Topic: 771 Message: 778

I bought one at the Rat Shack, i plan on getting the rest from packet radio, he seems to have pretty good prices there. Yes, I am building an interface between the 820 and a pc so that I can get myself invovled in some of the digital communications and such. Figure Id give it a shot, cant hurt anything! :-) Found quite a few good ideas on line on several different interfaces, and plan on trying to incorporate several ideas into one. Thanks for all the references!

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> You can also find these at Radio Shack, I think they will fit.
>
> Are you replacing connectors in a rig or building a new project?
>
> bill
>
> robjaw1 <robjaw1@y...> wrote:
> Can anyone let me know who would be a good source to get the 4 pin
> connector and socekt for the microphone on the TS-820S, also looking
> to find same for the TS-430S 8 pin.
> Thanks
> Rob
> KB3JZG
>
>
>
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> see our website www.amateur-repairs.com
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>
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>
> [Non-text portions of this message have been removed]

779. Check out Microphone Connectors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-16 13:57:29 UTC
From: kb2kfv@aol.com
Topic: 779 Message: 779

To: Rob - KB2JZG and Group
Universal Radio has everything from two pin to eight pin jacks and plugs
8 pin is only $ 3.99
Microphone Connectors

http://www.universal-radio.com/catalog/parts/micconn.html

also Ceitron.com
Microphone plugs and jacks
http://www.ceitron.com/comm/micplug.html

73 de Ken KB2KFV

[Non-text portions of this message have been removed]

780. manuel for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-17 02:49:29 UTC
From: rhagape
Topic: 780 Message: 780

Hello, I have a 520s and a friend has a 520. Are the manuels the
same? If not, does anyone know where I can download a copy of the 520
(preferably free)?
73, Rich kg6hth

781. parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-17 18:29:39 UTC
From: Gary & Carrie
Topic: 781 Message: 781

Gentlemen,

I am working on a astron pwr supply model RS-7a and have found the driver SCR to be shorted. The # on the part is 2n6505 and m8843. It is a 220 case SCR I think. Anybody know where I can purchase this item.

KCØNPJ Gary

[Non-text portions of this message have been removed]

782. Re: [TS-520_820_530_830] Digest Number 218

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-17 21:00:58 UTC
From: james27613@att.net
Topic: 782 Message: 782

Hi,

http://www.mods.dk

For d/l of many manuals

73 james

Hello, I have a 520s and a friend has a 520. Are the manuels the
> same? If not, does anyone know where I can download a copy of the 520
> (preferably free)?
> 73, Rich kg6hth

783. Re: ASTRON PS CROWBAR SCR REPL

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-17 22:12:37 UTC
From: Bill
Topic: 781 Message: 783

The 2N6505 is obsolete. You will need the MCR-225/FP, which is not normally available from common sources.

Now you need to answer this question: Is the SCR bolted to the chassis, with an insulator and insulating bushing for the mounting tab, or is it on the regulator PC board (Astron does both methods).

If it's insulated and you want exact replacement, use the Teccor S2008R, Mouser Electronics 519-S2008R. This one has the tab connected to the anode, which is connected to the + side of your supply output. You can also order 519-S4008R or 519-S6008R which are just higher voltage ratings.

If you want to do away with the insulator, use the ISOLATED version of the SCR, which is the Teccor S2008L, Mouser number 519-S2008L. You can also order the 519-S4008L or the 519-S6008L which are just higher voltage ratings.

now... if you want to go heavy duty, use the 519-S2065J, which is a 65 amp job... it will not fail. If it does, you do NOT want to be in the same room! hi

I am cross-posting this to AMATEUR-REPAIRS group so it will be in the archives there also.

73 and good luck. If you need help getting these things let me know, I have an order going in soon.

Bill

Gary & Carrie <meyer@...> wrote:
Gentlemen,

I am working on a astron pwr supply model RS-7a and have found the driver SCR to be shorted. The # on the part is 2n6505 and m8843. It is a 220 case SCR I think. Anybody know where I can purchase this item.

KC?NPJ Gary

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

784. Re: [TS-520_820_530_830] manuel for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-17 23:39:19 UTC
From: Steve
Topic: 780 Message: 784

Hi.
I also have a 520, not s or se and have serched around with no luck.
I would be interested to know if you turn up anything as there are subtle differencies, ie, different RF board, changes to the audio processor etc.
Thanks,
Steve.
----- Original Message -----
From: rhagape
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, September 17, 2003 3:49 AM
Subject: [TS-520_820_530_830] manuel for 520

Hello, I have a 520s and a friend has a 520. Are the manuels the
same? If not, does anyone know where I can download a copy of the 520
(preferably free)?
73, Rich kg6hth

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[Non-text portions of this message have been removed]

785. Re: [TS-520_820_530_830] manuel for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-18 01:34:09 UTC
From: Bill
Topic: 780 Message: 785

The 520 is actually a fine rig... not much diff from the S or SE, but the tube sockets are hard wired... maybe some minor diffs here and there but functionally they are the same.

b

Steve <steve@...> wrote:
Hi.
I also have a 520, not s or se and have serched around with no luck.
I would be interested to know if you turn up anything as there are subtle differencies, ie, different RF board, changes to the audio processor etc.
Thanks,
Steve.
----- Original Message -----
From: rhagape
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, September 17, 2003 3:49 AM
Subject: [TS-520_820_530_830] manuel for 520

Hello, I have a 520s and a friend has a 520. Are the manuels the
same? If not, does anyone know where I can download a copy of the 520
(preferably free)?
73, Rich kg6hth

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[Non-text portions of this message have been removed]

786. Re: manuel for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-18 03:05:31 UTC
From: rhagape
Topic: 780 Message: 786

Thanks for the response, I will give him a copy of the 520s manual I found for free at kg6haf.com in a pdf format.
73, Rich kg6hth

787. Re: [TS-520_820_530_830] Re: ASTRON PS CROWBAR SCR REPL

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-18 11:22:58 UTC
From: Gary & Carrie
Topic: 781 Message: 787

Bill

Thanks for the info, I no longer have a cross referance that is current. From your numbers I found the part at Digi-Key and ordered it last night. I have an old RCA, SK cross reference, but don't know any place that sells the SK line of replacement parts. Again THANKS.

KC?NPJ Gary

788. Re: [TS-520_820_530_830] Re: ASTRON PS CROWBAR SCR REPL

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-18 11:44:07 UTC
From: Bill
Topic: 781 Message: 788

OK Gary.

I have the isolated and non-isolated ones coming, as well as the BEEFY one...

b

Gary & Carrie <meyer@...> wrote:
Bill

Thanks for the info, I no longer have a cross referance that is
current. From your numbers I found the part at Digi-Key and ordered it last
night. I have an old RCA, SK cross reference, but don't know any place that
sells the SK line of replacement parts. Again THANKS.

KC?NPJ Gary

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[Non-text portions of this message have been removed]

789. Ebay Buyer beware

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-19 00:10:18 UTC
From: Rob J
Topic: 789 Message: 789

This is just an FYI for anyone looking to buy radios
and or antyhing else ham related on Ebay. I would warn
anyone NOT to buy from "plumrzbutt". I bought what I
thought was going to be a non DOA TS-430S unit and it
turned out to be nothing more then a door stop. When I
told him what had come to my doorstep he informed me
to bad sale done. I have reported him to Ebay, square
trade and so far neither has done NOTHING for me...
Now I am reporting him to my credit card company. Well
I might have been stuck with a piece of JUNK, but I am
for warning anyone else not to buy from this guy!
Sorry for taking up any bandwidth with trivial stuff,
but I thought I would try to at least make people
beware of this guy! You might be getting a deal, but
with this guy you could be getting nothing but junk
and he isnt going to stand behind it either!

Rob
KB3JZG

_____
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http://sitebuilder.yahoo.com

790. RE: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-22 03:19:28 UTC
From: Manuel Merayo
Topic: 743 Message: 790

Hi Bill,
I have good news!!!, I have find the manual for the TS-530 in line in PDF format, If some one need It try:http://www.cqham.ru/sch_eng.html , I would like to thanks all you for your help....I did check everything that I supose to check...but I still having the same problem, the ring don´t transmit, so I think that really it´s a final problem (may the tubes are bads, they light, but only a little)....any way..I will trying again.
Mr Stevenson I really apreciate a lot all your help, and count me in your friend´s list.
Finally, I am very happy to find this wonderfull group of people that love the radio and care about the others like all you did wih my problem

(again all you will have to excuse my English)

bill stevenson <g4kki.bill@...> wrote:
Hi Manuel,
i have not forgotten about the manual for the ts530s, but
i have not been very well over the last week and have not completed the
scannig.
As soon as i get it done i will send you a copy.

73 for now

Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 04 September 2003 00:16
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] TS-530S manual

Hi Bill,
Thanks alot for your help, I really apreciate that
73, Manuel

bill stevenson <g4kki.bill@...> wrote:
Hi Manuel,
i have a ts530s and i am scanning the manual in and converting
it
to .pdf. I will be posting it at the www.mods.dk site. I did have it on pdf
but have mislaid my copy.
When it is done i will forward a copy to you. Probably be done by this
weekend so about 4 or 5 days.

73 de Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 02 September 2003 16:47

To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530S manual

Hello,
I would like to Know where I can find the TS-530 S Operator´s manual, in PDF format.
thanks
Manuel

Yahoo! Messenger
Nueva versión: Super Webcam, voz, caritas animadas, y más
#161;Gratis!

[Non-text portions of this message have been removed]

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Nueva versión: Super Webcam, voz, caritas animadas, y más #161;Gratis!

[Non-text portions of this message have been removed]

791. RE: [TS-520_820_530_830] TS-530S manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-22 17:10:21 UTC
From: Bill
Topic: 743 Message: 791

Su habla engles muy bien, muchas gracias y gracias por la informacion de TS-530!

Bienvenidos y 73,

Bill

Manuel Merayo <manuel_merayo@...> wrote:
Hi Bill,
I have good news!!!, I have find the manual for the TS-530 in line in PDF format, If some one need It try:http://www.cqham.ru/sch_eng.html , I would like to thanks all you for your help....I did check everything that I supose to check...but I still having the same problem, the ring don?t transmit, so I think that really it?s a final problem (may the tubes are bads, they light, but only a little)....any way..I will trying again.
Mr Stevenson I really apreciate a lot all your help, and count me in your friend?s list.
Finally, I am very happy to find this wonderfull group of people that love the radio and care about the others like all you did wih my problem

(again all you will have to excuse my English)

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i have not been very well over the last week and have not completed the
scannig.
As soon as i get it done i will send you a copy.

73 for now

Bill G4KKI

-----Original Message-----
From: Manuel Merayo [mailto:manuel_merayo@...]
Sent: 04 September 2003 00:16
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] TS-530S manual

Hi Bill,
Thanks alot for your help, I really apreciate that
73, Manuel

bill stevenson <g4kki.bill@...> wrote:
Hi Manuel,
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When it is done i will forward a copy to you. Probably be done by this

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Subject: [TS-520_820_530_830] TS-530S manual

Hello,
I would like to Know where I can find the TS-530 S Operator?s manual, in PDF
format.
thanks
Manuel

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#161;Gratis!

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792. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-24 21:23:35 UTC
From: Greg Milligan
Topic: 686 Message: 792

Bill,

Apologies for not getting back to you and the gang on the
TS-520_820_530_830 emailing list earlier.

I replaced the HV capacitors in my TS-530 as you suggested which were
sourced from DigiKey. These arrived in the UK quicker a lot quicker than
I expected. My TS-530 now works a treat. I had originaly photographed
the entire procedure to upload on to the net for others to follow, but I
had a recent hard drive failure on my computer and I am afraid I lost
the images !

But I would like to sy a big "Thank you" to you and the rest of the team
on the list for the advice. I am now back on the air with a big grin on
my face.

Cheers,

Greg
G1CPU

On Tue, 2003-08-12 at 21:05, Bill wrote:
> You lost a HV filter cap, no big deal.
>
> I have replacements for these, or you can get them
> from digikey I think... I will get you the part
> numbers if you want, there have also been several
> posts lately on other cap sources.
>
> Plan on replacing both caps.
>
> When these caps fail, they often leave the rig in
> operable condition albeit at lower plate V and 1/4-1/2
> power out.
>
> This is because they are in a voltage doubler; as soon
> as they fail, they take themselves out of the circuit,
> then you are running on just one side of the system.
>
> bill
>
> --- Greg Milligan <greg@...> wrote:
> > Could some one help shed any light where I should
> > look next to solve the
> > problem of reduced power on a TS-530S.
> >

> >
> > At some point I had a small pop and a little smoke,
> > nothing huge like a
> > big capacitor going off (well as far as I know). The
> > output power
> > reduced to approx 50W out and HV showed approx 450V
> > on TX (was normaly
> > around 900V). So tended to suspect valve failure,
> > and popped the lid
> > open to take a look. Note: mains supply runs at 240V
> > AC
> >
> > No burnt components found so far.
> >
> >
> > These are the things I have tried so far are...
> >
> > Driver valve appears OK, tried it in my TS-830S (in
> > fact better than the
> > stock TS-830S - reminder to self to replace 830's
> > driver as its going
> > soft - its ALC is dropping off over time!)
> >
> > I have also tried the TS-830S PA valves in TS-530S
> > which produces same
> > the result, so not the PA bottles either. Therefore
> > original TS-530S
> > valves were put back in place.
> >
> > R2/R3/R4/R5 resistors on the PA board all lifted up
> > and independantly
> > measured approx 22 ohms each. Typically 6 ohms when
> > all in circuit (22/4
> > = 5.5 ohms) so all ok there.
> >
> > The screen voltage resistors R7 and R8 all check out
> > at 100 ohms each,
> > so does R1 (100 ohms)
> >
> >
> > Plate idling current can be adjusted up to 200mA via
> > rear bias control
> > Currently set at 60mA.
> >
> > Screen voltage measured on pin 3 of each valve (via
> > R7 / R8) is
> > when SG = on 257V (rx) 242V (tx)
> > when SG = off -115V (rx) -111V (tx)
> >
> > Checked 800V DC supply from rectifier unit

> > when SG = on 755V (rx) 420V (tx) <---- problem
> > when SG = off 764V (rx) 764V (tx)
> >
> > Looked on scope the 800V supply seems OK on rx
> > (smoothing could be a tad
> > better thou), but the supply appears to half wave
> > rectifying on TX hence
> > 420 V. At this point I would suspect one of the PA
> > valves circuits to be
> > failing, as these are switched "out" when the
> > negative supply is
> > supplied to the bottles.
> >
> > R11 = 470 ohms on the rectifier board appears OK.
> >
> > I am not quite sure what I should be expecting from
> > the PS1 / PS2
> > resistor come coil arrangements on each of the PA
> > plate connections they
> > both seem to be short circuited when measuring
> > resistance across each of
> > them.
> >
> > Both heaters seem to light up.
> >
> > I am running out of ideas what to try next. Any
> > ideas or suggestions out
> > there?
> >
> > Thank you.
> >
> > --
> > Greg Milligan
> > EMAIL: greg@...
> >
> >
> >
> >
>
>
> =====
>
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>
--
Greg Milligan
EMAIL: greg@...

793. Re: [TS-520_820_530_830] Need on advice on broken TS-530 PA

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-24 22:57:11 UTC
From: Bill
Topic: 686 Message: 793

Great. You are good for another 15 years or so!

73,

Bill

Greg Milligan <greg@...> wrote:
Bill,

Apologies for not getting back to you and the gang on the
TS-520_820_530_830 emailing list earlier.

I replaced the HV capacitors in my TS-530 as you suggested which were
sourced from DigiKey. These arrived in the UK quicker a lot quicker than
I expected. My TS-530 now works a treat. I had originaly photographed
the entire procedure to upload on to the net for others to follow, but I
had a recent hard drive failure on my computer and I am afraid I lost
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on the list for the advice. I am now back on the air with a big grin on
my face.

Cheers,

Greg
G1CPU

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>
> I have replacements for these, or you can get them
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> posts lately on other cap sources.
>
> Plan on replacing both caps.
>
> When these caps fail, they often leave the rig in
> operable condition albeit at lower plate V and 1/4-1/2
> power out.
>
> This is because they are in a voltage doubler; as soon
> as they fail, they take themselves out of the circuit,
> then you are running on just one side of the system.
>
> bill

>
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> > problem of reduced power on a TS-530S.
> >
> >
> > At some point I had a small pop and a little smoke,
> > nothing huge like a
> > big capacitor going off (well as far as I know). The
> > output power
> > reduced to approx 50W out and HV showed approx 450V
> > on TX (was normaly
> > around 900V). So tended to suspect valve failure,
> > and popped the lid
> > open to take a look. Note: mains supply runs at 240V
> > AC
> >
> > No burnt components found so far.
> >
> >
> > These are the things I have tried so far are...
> >
> > Driver valve appears OK, tried it in my TS-830S (in
> > fact better than the
> > stock TS-830S - reminder to self to replace 830's
> > driver as its going
> > soft - its ALC is dropping off over time!)
> >
> > I have also tried the TS-830S PA valves in TS-530S
> > which produces same
> > the result, so not the PA bottles either. Therefore
> > original TS-530S
> > valves were put back in place.
> >
> > R2/R3/R4/R5 resistors on the PA board all lifted up
> > and independantly
> > measured approx 22 ohms each. Typically 6 ohms when
> > all in circuit (22/4
> > = 5.5 ohms) so all ok there.
> >
> > The screen voltage resistors R7 and R8 all check out
> > at 100 ohms each,
> > so does R1 (100 ohms)
> >
> >
> > Plate idling current can be adjusted up to 200mA via
> > rear bias control
> > Currently set at 60mA.
> >

> > Screen voltage measured on pin 3 of each valve (via
> > R7 / R8) is
> > when SG = on 257V (rx) 242V (tx)
> > when SG = off -115V (rx) -111V (tx)
> >
> > Checked 800V DC supply from rectifier unit
> > when SG = on 755V (rx) 420V (tx) <---- problem
> > when SG = off 764V (rx) 764V (tx)
> >
> > Looked on scope the 800V supply seems OK on rx
> > (smoothing could be a tad
> > better thou), but the supply appears to half wave
> > rectifying on TX hence
> > 420 V. At this point I would suspect one of the PA
> > valves circuits to be
> > failing, as these are switched "out" when the
> > negative supply is
> > supplied to the bottles.
> >
> > R11 = 470 ohms on the rectifier board appears OK.
> >
> > I am not quite sure what I should be expecting from
> > the PS1 / PS2
> > resistor come coil arrangements on each of the PA
> > plate connections they
> > both seem to be short circuited when measuring
> > resistance across each of
> > them.
> >
> > Both heaters seem to light up.
> >
> > I am running out of ideas what to try next. Any
> > ideas or suggestions out
> > there?
> >
> > Thank you.
> >
> > --
> > Greg Milligan
> > EMAIL: greg@...
> >
> >
> >
> >
>
>
> =====
>
> see our website www.amateur-repairs.com
>

>
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>
--
Greg Milligan
EMAIL: greg@...

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[Non-text portions of this message have been removed]

794. TS820S - Mods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-29 19:27:22 UTC
From: robjaw1
Topic: 794 Message: 794

I downloaded all of the service items released by Kenwood for this radio and put the in the files section as a PDF file to make it easyer to download and print.

I have a question for eveyone out there,
without going out and buying a noise filter and or DSP unit, has anyone come up with a simple noise filter or notch filter mod for the TS820S?

Thanks
Rob
KB3JZG

795. TS820S Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-29 20:54:49 UTC
From: Ken Nellis
Topic: 795 Message: 795

Hello all!

I'm new to the Group. I've been a ham since June, when I tested successfully for a Tech Plus license. Pleased to meet you.

I'm hoping you can help with a question: Sometimes when my TS-820S is in receive mode I can faintly hear what sounds like a relay clicking. This is accompanied by a slightly louder humming, on and off, as the relay cycles. It's a little annoying when I'm trying to copy a distant station. I don't hear it at all when transmitting, and it doesn't seem to be transmitting while the hum is louder.

I've fooled with the three Vox controls on the front and nothing I've done seems to make a lasting change.

Can anyone clue me in on what to do next? Thanks in advance.

All the best

Ken

_____
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796. Tuning procedure for the 520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-29 22:42:11 UTC
From: Grant McDuling
Topic: 796 Message: 796

G'day guys,

I take it I can use the tuning procedure for the 820s that is in the files section of the web site for tuning my 520se. What do you reckon?

73s
Grant
VK4JAZ

797. Re: TS820S Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-30 00:14:38 UTC
From: robjaw1
Topic: 795 Message: 797

Ken,
As long as the Vox/Man switch is on Man, the vox controls wont do anything. The humming leads me to beleive that it is a bad cap, but without more information, its kinda hard to make a stab in the dark guess......

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Ken Nellis" <knellis@h...> wrote:
> Hello all!
>
> I'm new to the Group. I've been a ham since June, when I tested
> successfully for a Tech Plus license. Pleased to meet you.
>
> I'm hoping you can help with a question: Sometimes when my TS-820S is in
> receive mode I can faintly hear what sounds like a relay clicking. This is
> accompanied by a slightly louder humming, on and off, as the relay cycles.
> It's a little annoying when I'm trying to copy a distant station. I don't
> hear it at all when transmitting, and it doesn't seem to be transmitting
> while the hum is louder.
>
> I've fooled with the three Vox controls on the front and nothing I've done
> seems to make a lasting change.
>
> Can anyone clue me in on what to do next? Thanks in advance.
>
> All the best
>
> Ken
>
> _____
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798. Re: Tuning procedure for the 520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-30 00:20:25 UTC
From: robjaw1
Topic: 796 Message: 798

Hello,
goto :

http://www.kg6haf.com/kenwood.html

there is everything you wanted to know about the 520.

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Grant McDuling"
<grantmcduling@y...> wrote:
> G'day guys,
>
> I take it I can use the tuning procedure for the 820s that is in
the
> files section of the web site for tuning my 520se. What do you
reckon?
>
> 73s
> Grant
> VK4JAZ

799. Re: [TS-520_820_530_830] TS820S - Mods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-30 01:07:37 UTC
From: Bill
Topic: 794 Message: 799

Thanks Rob!

b

robjaw1 <robjaw1@...> wrote:

I downloaded all of the service items released by Kenwood for this
radio and put the in the files section as a PDF file to make it
easyer to download and print.

...

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800. Re: [TS-520_820_530_830] Tuning procedure for the 520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-30 01:10:41 UTC
From: Bill
Topic: 796 Message: 800

Yep, same procedure!

b

Grant McDuling <grantmcduling@...> wrote:
G'day guys,

I take it I can use the tuning procedure for the 820s that is in the
files section of the web site for tuning my 520se. What do you reckon?

73s
Grant
VK4JAZ

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801. Re: [TS-520_820_530_830] Re: TS820S Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-09-30 01:17:31 UTC
From: Bill
Topic: 795 Message: 801

I think Rob is right (Rob, right???!?)... Thinking the 12v is starting to go away.

b

robjaw1 <robjaw1@...> wrote:
Ken,
As long as the Vox/Man switch is on Man, the vox controls wont do
anything. The humming leads me to beleive that it is a bad cap, but
without more information, its kinda hard to make a stab in the dark
guess......

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Ken Nellis"
<knellis@h...> wrote:
> Hello all!
>
> I'm new to the Group. I've been a ham since June, when I tested
> successfully for a Tech Plus license. Pleased to meet you.
>
> I'm hoping you can help with a question: Sometimes when my TS-820S
is in
> receive mode I can faintly hear what sounds like a relay clicking.
This is
> accompanied by a slightly louder humming, on and off, as the relay
cycles.
> It's a little annoying when I'm trying to copy a distant station.
I don't
> hear it at all when transmitting, and it doesn't seem to be
transmitting
> while the hum is louder.
>
> I've fooled with the three Vox controls on the front and nothing
I've done
> seems to make a lasting change.
>
> Can anyone clue me in on what to do next? Thanks in advance.
>
> All the best
>
> Ken
>
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802. Re: [TS-520_820_530_830] Re: TS820S Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-03 00:32:57 UTC
From: Ken Nellis
Topic: 795 Message: 802

Rob:

Many thanks to you and to Bill for answering my question. I think I should look into replacing the electrolytics as a start, then reviewing the situation again.

All the best,

Ken

----Original Message Follows----
From: "robjaw1" <robjaw1@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TS820S Question
Date: Tue, 30 Sep 2003 00:14:38 -0000

Ken,
As long as the Vox/Man switch is on Man, the vox controls wont do anything. The humming leads me to beleive that it is a bad cap, but without more information, its kinda hard to make a stab in the dark guess......

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Ken Nellis" <knellis@h...> wrote:
> Hello all!
>
> I'm new to the Group. I've been a ham since June, when I tested
> successfully for a Tech Plus license. Pleased to meet you.
>
> I'm hoping you can help with a question: Sometimes when my TS-820S is in
> receive mode I can faintly hear what sounds like a relay clicking. This is
> accompanied by a slightly louder humming, on and off, as the relay cycles.
> It's a little annoying when I'm trying to copy a distant station. I don't
> hear it at all when transmitting, and it doesn't seem to be transmitting
> while the hum is louder.
>
> I've fooled with the three Vox controls on the front and nothing I've done

> seems to make a lasting change.
>
> Can anyone clue me in on what to do next? Thanks in advance.
>
> All the best
>
> Ken
>

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803. Re: [TS-520_820_530_830] Re: TS820S Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-03 05:11:58 UTC
From: Bill
Topic: 795 Message: 803

The humming on receive will be caused by the larger, low voltage caps if they are in fact bad. You can use your DVM on AC scale to see how much hum you have on the caps.. should be less than 10 percent of the DC voltage they are running at, hopefully much less.

bill

Ken Nellis <knellis@...> wrote:
Rob:

Many thanks to you and to Bill for answering my question. I think I should look into replacing the electrolytics as a start, then reviewing the situation again.

All the best,

Ken

----Original Message Follows----
From: "robjaw1" <robjaw1@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TS820S Question
Date: Tue, 30 Sep 2003 00:14:38 -0000

Ken,
As long as the Vox/Man switch is on Man, the vox controls wont do anything. The humming leads me to beleive that it is a bad cap, but without more information, its kinda hard to make a stab in the dark guess......

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "Ken Nellis" <knellis@h...> wrote:
> Hello all!
>
> I'm new to the Group. I've been a ham since June, when I tested
> successfully for a Tech Plus license. Pleased to meet you.
>
> I'm hoping you can help with a question: Sometimes when my TS-820S is in
> receive mode I can faintly hear what sounds like a relay clicking. This is
> accompanied by a slightly louder humming, on and off, as the relay cycles.
> It's a little annoying when I'm trying to copy a distant station.

I don't
> hear it at all when transmitting, and it doesn't seem to be
transmitting
> while the hum is louder.
>
> I've fooled with the three Vox controls on the front and nothing
I've done
> seems to make a lasting change.
>
> Can anyone clue me in on what to do next? Thanks in advance.
>
> All the best
>
> Ken
>

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804. TS-520 Tuned into the ground?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-06 00:17:19 UTC
From: k9zy
Topic: 804 Message: 804

A number of months back, I decided to fine tune the output and receive on my 520. Output drive was at about 100 watts on every band except 160m which was at 75 watts, so I decided to try and fine tune to get it up to 100. I did not have the plastic allen wrench, so I used a metal wrench. I did not have a good dummy load, so I foolishly attempted the adjustments into a multi-band antenna, using low power.

After making several adjustments, as best I could following the instructions in the manual, drive on 10 meters was gone, 0!. I made more adjustments, and drive slowly disappeared on each band. All bands went to 0 watts output.

I thought I had blown the tubes, so I acquired new tubes (all 3), replaced them, and no change. Then someone suggested that the fine tuning was very delicate and without the right measuring equipment, I probably had put the whole system out of whack and that is why I had no output.

Does anyone have a clue what may have gone wrong, and how do I fix it? The only test equipment I have is a small multitester, but I do have a dummy load now.

Thanks,
Mark
K9ZY

805. Re: TS-520 Tuned into the ground?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-06 15:26:58 UTC
From: robjaw1
Topic: 804 Message: 805

OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO BOY!
Metal?
Sorry, had an out of body experiance there for a second!
Your gonna have to get some plastic, or non metalic
adjustment tools first!
Hope you didnt get to close to the VFO unit either and that
what ever you were using wasnt magnetic.......
Second, if it is that far out of wack now, you might be needing to
find someone with a freq counter and a freq generator, and scope
maybe.....
I have all of those things, and I dont even want to think about
getting into my TS820S without having someone like Bill around
watching me do it the first time, or at the least have him on a
speaker phone walking me through it.... Way to many transformers in
there for me.... Had a tough enough time with a 430S I had be working
on....
Before you buy more tubes, make sure the first ones werent bad by
getting someone to test them for you..

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, "k9zy" <k9zy@y...> wrote:
> A number of months back, I decided to fine tune the output and
> receive on my 520. Output drive was at about 100 watts on every
band
> except 160m which was at 75 watts, so I decided to try and fine
tune
> to get it up to 100. I did not have the plastic allen wrench, so I
> used a metal wrench. I did not have a good dummy load, so I
> foolishly attempted the adjustments into a multi-band antenna,
using
> low power.
>
> After making several adjustments, as best I could following the
> instructions in the manual, drive on 10 meters was gone, 0!. I made
> more adjustments, and drive slowly disappeared on each band. All
> bands went to 0 watts output.
>
> I thought I had blown the tubes, so I acquired new tubes (all 3),
> replaced them, and no change. Then someone suggested that the fine
> tuning was very delicate and without the right measuring equipment,
> I probably had put the whole system out of whack and that is why I
> had no output.
>

> Does anyone have a clue what may have gone wrong, and how do I fix
> it? The only test equipment I have is a small multitester, but I do
> have a dummy load now.
>
> Thanks,
> Mark
> K9ZY

806. Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 00:31:53 UTC
From: kmbadlose
Topic: 806 Message: 806

Does anyone have any experience with some of the various Sound card
to
Rig interfaces such as the "RASCAL" or "DONNER's Digital Interface"?
Would like to try some of the digital modes on my trusty 'ol TS-520S.

Pete
VE3BHP

807. Re: [TS-520_820_530_830] Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 00:40:16 UTC
From: radionut
Topic: 806 Message: 807

---> My reply to what kmbadlose wrote 10/6/2003 7:31:53 PM

I use the RASCAL for potable VHF but use the Rigblaster for HF on a couple of
520s rigs. What kind of information would you like to know?

Mike

---------- Original Message ----------

Does anyone have any experience with some of the various Sound card
to
Rig interfaces such as the "RASCAL" or "DONNER's Digital Interface"?
Would like to try some of the digital modes on my trusty 'ol TS-520S.

Pete
VE3BHP

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---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

808. Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 04:30:13 UTC
From: Jim Volstad
Topic: 808 Message: 808

Just wondering what would be a safe output? If I drop the power out to 50 watts, will it take PSK without over heating?

809. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 04:41:11 UTC
From: radionut
Topic: 808 Message: 809

---> My reply to what Jim Volstad wrote 10/6/2003 11:30:13 PM

According to the manual, for SSTV it says: When transmitting, adjust camera output so that the final input power is less than 100W (less than 125 mA Ip)

That sounds high to me, but I have been dropping to about 45-50 watts on digital modes and have not had any problems (Yet)

Mike

---------- Original Message ----------

Just wondering what would be a safe output? If I drop the power out to 50 watts, will it take PSK without over heating?

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---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

810. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 04:48:03 UTC
From: radionut
Topic: 808 Message: 810

---> My reply to what Jim Volstad wrote 10/6/2003 11:30:13 PM

by the way, love PSK, been running some on HF as well as on 6 and 2 meters,
great mode!

By the way, just took a look at the Rascal docs and it says:

under no circumstances should the power output of your transceiver exceed
one-half the transceiver's maximum rated output.

Mike

---------- Original Message -----------

Just wondering what would be a safe output? If I drop the power out
to 50 watts, will it take PSK without over heating?

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

811. Re: Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 12:04:41 UTC
From: Jim
Topic: 806 Message: 811

Pete,

Before you spend a lot of money on a rig interface, make sure you need one! I don't know about the 520s, but my 820s has two RCA phono jacks for "Phone In and Phone Out", presumably to use with a telephone patch device. I figured it was worth a try, so I bought a couple of RCA to 3mm mini jack adapters at Radio Shack, along with some 3mm patch cords. I plugged my sound card directly into the rig and spent just a few minutes adjusting the VOX and sound level output so that it would key the Tx and so that I would not overdrive the receive side of the application (HamScope, WinWarbler, etc.). I was doing PSK and SSTV five minutes after I started.

Jim

> Does anyone have any experience with some of the various Sound card
> to
> Rig interfaces such as the "RASCAL" or "DONNER's Digital
Interface"?
> Would like to try some of the digital modes on my trusty 'ol TS-
520S.
>
> Pete
> VE3BHP

812. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 13:50:40 UTC
From: Bill
Topic: 808 Message: 812

You want to hold your plate dissipation to 25 watts per tube for 6146A or W and 35 watts per tube for 6146B

If you are running 800 volts on the plates, multiply your plate current times your plate voltage, then subtract your OUTPUT power, then divide by two. That is your plate dissipation per tube.

If you are running 200mA at 800 volts, 0.2*800 is 160 watts, minus output power of 50 watts, leaving 110 watts or 55 watts per tube. Clearly, this won't work for long.

If you are running 160mA at 800 volts, this is 128 watts, less 50, leaves 78 watts, divide by two, still too high.

If you are running 60 watts out, at 145 mA, that's 28 watts left per tube. OK for 6146B.

So it all depends on your neutralization being right on (so your plate dip coincides with your max power output), and your driver being up to snuff and your tubes not being too tired.

If your plate voltage is higher, it may or may not cause your tube plate dissipation to be over ratings... you have to run the math for several different settings to see what works best.

50watts may NOT be the best setting for you, it may want to run 60 or 65 for best efficiency.

Also, keep your idle current down around 35mA, instead of 50mA. I have found the 6146 rigs run just fine there with no splatter complaints, and it gives you another 12 watts of plate dissipation "headroom".

Please do this: Once you get set up and decide what settings seem best, get someone with a good rig with good filters, that is receiving you around s9, to check adjacent channels for splatter and whatnot from your station while you call CQ or have qso with third party. Once you have determined that you are "clean" you can operate with confidence and more enjoyment.

PS, most PSK guys are using 10-25 watts, perhaps less, or so I hear...??

73,

Bill

Jim Volstad <jvolstad@...> wrote:
Just wondering what would be a safe output? If I drop the power out
to 50 watts, will it take PSK without over heating?

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813. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 13:53:22 UTC
From: Bill
Topic: 808 Message: 813

Mike's is the "empirical" method... works fine too! hi

b

radionut <radionutmike@...> wrote:
---> My reply to what Jim Volstad wrote 10/6/2003 11:30:13 PM

According to the manual, for SSTV it says: When transmitting, adjust camera output so that the final input power is less than 100W (less than 125 mA Ip)

That sounds high to me, but I have been dropping to about 45-50 watts on digital modes and have not had any problems (Yet)

Mike

---------- Original Message ----------

Just wondering what would be a safe output? If I drop the power out to 50 watts, will it take PSK without over heating?

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814. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 13:53:59 UTC
From: Bill
Topic: 808 Message: 814

half, eh? good rule of thumb, as long as the tubes is happy I guess

b

radionut <radionutmike@...> wrote:
---> My reply to what Jim Volstad wrote 10/6/2003 11:30:13 PM

by the way, love PSK, been running some on HF as well as on 6 and 2 meters,
great mode!

By the way, just took a look at the Rascal docs and it says:

under no circumstances should the power output of your transceiver exceed
one-half the transceiver's maximum rated output.

Mike

---------- Original Message ----------

Just wondering what would be a safe output? If I drop the power out
to 50 watts, will it take PSK without over heating?

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815. Re: Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 14:54:27 UTC
From: kmbadlose
Topic: 806 Message: 815

Jim:

Thank's for the info. My 520S DOES have the phone patch (in) and
(out) RCA jacks. I'll give this a try and pick up some patch cables.

Just a couple of questions about this though;

What should my power output be set to, on say...20m?
Will this work for CW and/or Voice Keying too?
Anything else I should be aware of as not to blow up my rig?

Again, I appreciate the tips Jim,

Pete
VE3BHP

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> Pete,
>
> Before you spend a lot of money on a rig interface, make sure you
> need one! I don't know about the 520s, but my 820s has two RCA
> phono jacks for "Phone In and Phone Out", presumably to use with a
> telephone patch device. I figured it was worth a try, so I bought
a
> couple of RCA to 3mm mini jack adapters at Radio Shack, along with
> some 3mm patch cords. I plugged my sound card directly into the
rig
> and spent just a few minutes adjusting the VOX and sound level
> output so that it would key the Tx and so that I would not
overdrive
> the receive side of the application (HamScope, WinWarbler, etc.).
I
> was doing PSK and SSTV five minutes after I started.
>
> Jim
>
> > Does anyone have any experience with some of the various Sound
card
> > to
> > Rig interfaces such as the "RASCAL" or "DONNER's Digital
> Interface"?
> > Would like to try some of the digital modes on my trusty 'ol TS-
> 520S.
> >
> > Pete
> > VE3BHP

816. Re: [TS-520_820_530_830] Running PSK31 with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 16:36:29 UTC
From: G Bay
Topic: 808 Message: 816

I run a 530s (6146,s) on psk31 and feld hell, have worked all over the world
on psk at 10 to 25w and feld hell at abt 50w (cw type duty cycle) you can overdrive
very easily at power levels higher that and it adds nothing at the rec. end (program does
all the work)
That's with a dipole ant. by the way. Both great modes just let the rig warm up
for abt 15 min. and enjoy.
Gary WB3DSJ

radionut <radionutmike@...> wrote:
---> My reply to what Jim Volstad wrote 10/6/2003 11:30:13 PM

by the way, love PSK, been running some on HF as well as on 6 and 2 meters,
great mode!

By the way, just took a look at the Rascal docs and it says:

under no circumstances should the power output of your transceiver exceed
one-half the transceiver's maximum rated output.

Mike

---------- Original Message -----------

Just wondering what would be a safe output? If I drop the power out
to 50 watts, will it take PSK without over heating?

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817. Re:Digital modes with the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 16:40:12 UTC
From: james27613@att.net
Topic: 817 Message: 817

Hi,

I built the Rascal interface http://www.packetradio.com and it works great.

If you want to run less power, you can build the qrp circuit shown here
http://mods.dk in kenwood section. Just a 9v battery and pot that hooks to
the alc circuit via the 8 pin octal connector on back of the radio.

73 james ke4drn

818. Re: Digital modes with the 520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 16:42:29 UTC
From: james27613@att.net
Topic: 818 Message: 818

Hi,

I built the Rascal interface http://www.packetradio.com and it works great.

If you want to run less power, you can build the qrp circuit shown here
http://mods.dk in kenwood section. Just a 9v battery and pot that hooks to
the alc circuit via the 8 pin octal connector on back of the radio.

73 james ke4drn

819. Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 19:29:39 UTC
From: kmbadlose
Topic: 819 Message: 819

All this talk about digital modes and running at lower power etc... has brought up another question here. Having only used my rig (TS-520S) for phone and CW up until now, I have never tuned the radio for anything other than "MAX SMOKE" which for me is around 100w on 15m, 20m and 40m. How do I tune for less than max power? Do I cut back on CARRIER, LOAD, or DRIVE or a combo of all three? If someone has a step by step of how to best tune the rig for low power (NOT QRP), it would be very helpful.

Thank's
Pete
VE3BHP

820. Re: [TS-520_820_530_830] Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 19:54:55 UTC
From: Bill
Topic: 819 Message: 820

Fake it with 9v batt thru pot conn to alc input on the rig (the more negative to ground, the less drive you get).

b

kmbadlose <inmotion@...> wrote:
All this talk about digital modes and running at lower power etc... has brought up another question here. Having only used my rig (TS-520S) for phone and CW up until now, I have never tuned the radio for anything other than "MAX SMOKE" which for me is around 100w on 15m, 20m and 40m. How do I tune for less than max power? Do I cut back on CARRIER, LOAD, or DRIVE or a combo of all three? If someone has a step by step of how to best tune the rig for low power (NOT QRP) , it would be very helpful.

Thank's
Pete
VE3BHP

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821. Re: [TS-520_820_530_830] Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 20:08:38 UTC
From: G Bay
Topic: 819 Message: 821

Bill,
Whats the advantage over just cutting back on the drive?
Is it more efficient or what? Guess I don't understand how alc works.
thanks for all the great info
Gary

Bill <coorsbill@...> wrote:
Fake it with 9v batt thru pot conn to alc input on the rig (the more negative to ground, the less drive you get).

b

kmbadlose wrote:
All this talk about digital modes and running at lower power etc... has brought up another question here. Having only used my rig (TS-520S) for phone and CW up until now, I have never tuned the radio for anything other than "MAX SMOKE" which for me is around 100w on 15m, 20m and 40m. How do I tune for less than max power? Do I cut back on CARRIER, LOAD, or DRIVE or a combo of all three? If someone has a step by step of how to best tune the rig for low power (NOT QRP) , it would be very helpful.

Thank's
Pete
VE3BHP

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822. Re: [TS-520_820_530_830] Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 20:13:51 UTC
From: Bill
Topic: 819 Message: 822

On CW no problem, just cut the carrier. On PSK and other digital modes, just reduce the mic gain to reduce power. On SSB, you will need to watch your output if reducing mic gain below point of ALC, because there will be no more "leveling" and the other party will complain that you are QSB when maybe it's not the band!

new rigs allow you to set the ALC point lower for less power and governed output. The tube rigs however rely on grid current to flow, which only happens at MAX SMOKE.

b

G Bay <botr8@...> wrote:
Bill,
Whats the advantage over just cutting back on the drive?
Is it more efficient or what? Guess I don't understand how alc works.
thanks for all the great info
Gary

Bill <coorsbill@...> wrote:
Fake it with 9v batt thru pot conn to alc input on the rig (the more negative to ground, the less drive you get).

b

kmbadlose wrote:
All this talk about digital modes and running at lower power etc...
has brought up another question here. Having only used my rig
(TS-520S) for phone and CW up until now, I have never tuned the radio
for anything other than "MAX SMOKE" which for me is around 100w on
15m, 20m and 40m. How do I tune for less than max power? Do I cut
back on CARRIER, LOAD, or DRIVE or a combo of all three? If someone
has a step by step of how to best tune the rig for low power (NOT QRP)
, it would be very helpful.

Thank's
Pete
VE3BHP

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823. Re: Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 21:21:06 UTC
From: kmbadlose
Topic: 819 Message: 823

Bill:

> On CW no problem, just cut the carrier. On PSK and other digital
>modes, just reduce the mic gain to reduce power.

What I was getting at here is that I was going to try Jim's suggestion of using the Phone Patch (RCA-line in) to key the rig for SSTV and/or PSK31. What would be the best way to reduce the TX power for that?

Pete
VE3BHP

824. Re: Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 23:01:32 UTC
From: Jim
Topic: 806 Message: 824

I have worked Venezuela (from Chicago) on less than 35 watts and a lousy 40 meter dipole up a whopping 20 feet. I bet I could have done it with even less. Just give it a try, if they don't answer the old CQ, crank it up another 5 or so.

Will it work for every mode? I don't know because I haven't tried it with every mode, but I can't see a reason why not. Just make sure the VOX delay is turned down so that you don't loose the first bit.

As for tips on not blowing up your rig, I just do whatever Bill tells me to do. So far, so good. Just make sure you get the right combination of RCA plugs and cables. The cables are almost always stereo (mine are) but I can't remember if the RCA adapters are also mono-stereo converters. I think so, but you might want to check.

Only tricky bit about any of this is getting your levels correct. I use the funny little icon on the task bar to turn the volume sliders ALL THE WAY UP, and then use the thumbwheel on my computer to control the input to the rig. Make it just high enough to trip the VOX relay reliably and you will be fine.

If you want to sked to test it out, let me know.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "kmbadlose" <inmotion@t...> wrote:
> Jim:
>
> Thank's for the info. My 520S DOES have the phone patch (in) and
> (out) RCA jacks. I'll give this a try and pick up some patch cables.
>
> Just a couple of questions about this though;
>
> What should my power output be set to, on say...20m?
> Will this work for CW and/or Voice Keying too?
> Anything else I should be aware of as not to blow up my rig?
>
> Again, I appreciate the tips Jim,
>
> Pete
> VE3BHP

> > > VE3BHP

825. Re: [TS-520_820_530_830] Re: Rig to Soundcard Interface? (TS-520)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-07 23:47:16 UTC
From: william stephenson
Topic: 806 Message: 825

Hi All,
i have been using my TS530S to do psk31,rtty and sstv using a
fairly simple interface i made. I don't use vox but use a simple one
transistor switch to do the tx/rx switching. feed the audio from the
soundcard into the mic socket on the rig and the ptt from the seriel port.
the line into the soundcard just goes from the phones skt on the front of
the rig. power controlled by the mic gain.
have used 50 watts on rtty and around 30 watts on psk31,about 50watts or
less on sstv.

73 de Bill G4KKI
----- Original Message -----
From: "Jim" <K1ZC@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, October 07, 2003 11:01 PM
Subject: [TS-520_820_530_830] Re: Rig to Soundcard Interface? (TS-520)

> I have worked Venezuela (from Chicago) on less than 35 watts and a
> lousy 40 meter dipole up a whopping 20 feet. I bet I could have
> done it with even less. Just give it a try, if they don't answer
> the old CQ, crank it up another 5 or so.
>
> Will it work for every mode? I don't know because I haven't tried
> it with every mode, but I can't see a reason why not. Just make
> sure the VOX delay is turned down so that you don't loose the first
> bit.
>
> As for tips on not blowing up your rig, I just do whatever Bill
> tells me to do. So far, so good. Just make sure you get the right
> combination of RCA plugs and cables. The cables are almost always
> stereo (mine are) but I can't remember if the RCA adapters are also
> mono-stereo converters. I think so, but you might want to check.
>
> Only tricky bit about any of this is getting your levels correct. I
> use the funny little icon on the task bar to turn the volume sliders
> ALL THE WAY UP, and then use the thumbwheel on my computer to
> control the input to the rig. Make it just high enough to trip the
> VOX relay reliably and you will be fine.
>
> If you want to sked to test it out, let me know.
>
> 73,
> Jim
>
>

>
> --- In TS-520_820_530_830@yahoogroups.com, "kmbadlose"
> <inmotion@t...> wrote:
> > Jim:
> >
> > Thank's for the info. My 520S DOES have the phone patch (in) and
> > (out) RCA jacks. I'll give this a try and pick up some patch
> cables.
> >
> > Just a couple of questions about this though;
> >
> > What should my power output be set to, on say...20m?
> > Will this work for CW and/or Voice Keying too?
> > Anything else I should be aware of as not to blow up my rig?
> >
> > Again, I appreciate the tips Jim,
> >
> > Pete
> > VE3BHP
>
> > > > VE3BHP
>
>
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826. Re: [TS-520_820_530_830] Re: Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-08 01:53:03 UTC
From: Bill
Topic: 819 Message: 826

The phone patch input may go through the mic gain pot... if not, you will need to either reduce the audio drive to the rig or "fake" the ALC into thinking an external amp is being over driven, by injecting a small negative voltage on the ALC input to the radio. Most guys use a 9v battery through a pot.

bill

kmbadlose <inmotion@...> wrote:
Bill:

> On CW no problem, just cut the carrier. On PSK and other digital
>modes, just reduce the mic gain to reduce power.

What I was getting at here is that I was going to try Jim's suggestion of using the Phone Patch (RCA-line in) to key the rig for SSTV and/or PSK31. What would be the best way to reduce the TX power for that?

Pete
VE3BHP

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827. Re: [TS-520_820_530_830] Re: Low Power?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-08 03:58:21 UTC
From: Mike AB8Pk
Topic: 819 Message: 827

I have been using the Phone patch inputs on my TS-820S with a homemade rig to soundcard interface(Just 1 to 1 isolation for audio and opto-coupler for PTT) for all digital modes including SSTV(Using MMSSTV). All I do is set the soundcard audio so it is barely noticable with a headset and then adjust the mic gain for power. As long as I have no indicated ALC I can crank out anywhere from 1 watt up to about 60 watts just using the mic gain! I have worked SSTV as low as 5 watts with this method and as much as 30-40 watts on the high end with no reports of splatter and no rig problems. I use the same method for PSK, RTTY or any of the modes workable with software and a soundcard. Hope this helps Pete.

73,
Mike

> On CW no problem, just cut the carrier. On PSK and other digital
>modes, just reduce the mic gain to reduce power.

What I was getting at here is that I was going to try Jim's suggestion
of using the Phone Patch (RCA-line in) to key the rig for SSTV and/or
PSK31. What would be the best way to reduce the TX power for that?

Pete
VE3BHP

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828. Digi-Modes SUCCESS!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-11 04:06:15 UTC
From: kmbadlose
Topic: 828 Message: 828

Hi All:

Just thought I'd update the group and thank you all for the help in getting some digital modes to work on my TS-520. So, I've connected my soundcard out to the PHONE PATCH in on the back of the rig and connected the soundcard in to the PHONE PATCH out. I have tuned up the rig for max smoke and then "tuned" again from the soundcard using MMSTV (SSTV) and WINWARBLER (PSK1) software by varying the output level of the soundcard to where I was peaking at only around 10-20 watts on my SWR/WATT meter. Also, set the VOX up so that TXing would trip the VOX when I wanted to send. MMSTV started rendering pictures right away, and I answered a couple of CQ's and got "closed circuit" RST's, so I figured it must be working OK. Then it was off to load up
WINWARBLER. I found the PSK frq on 20m and started listening. Took a
couple of minutes to figure out the software (should have RTFM) but soon was having a QSO with Texas and then CUBA. WOW THIS IS SOOOOOO MUCH FUN!!!!

Question is; I am just using simple mono audio cables with no in-line resistor pads or anything as JIM originally suggested. Do I NEED to add this (resistors), and if so what is the proceedure for constructing such a cable myself? Please keep in mind, I am severely "Electronically-challenged", so as detailed a description as possible always helps.

Thank's again to all for the help and suggestions for getting all this
up and running.

73's
Pete
VE3BHP

829. Re: [TS-520_820_530_830] Digi-Modes SUCCESS!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-11 04:08:21 UTC
From: Bill
Topic: 828 Message: 829

Pete: first rule of digital HF: ONCE IT IS WORKING DO NOT TOUCH ANYTHING EXCEPT THE KEYBOARD.

hi!

Have fun and congrats!

b

kmbadlose <inmotion@...> wrote:
Hi All:

Just thought I'd update the group and thank you all for the help in getting some digital modes to work on my TS-520. So, I've connected my soundcard out to the PHONE PATCH in on the back of the rig and connected the soundcard in to the PHONE PATCH out. I have tuned up the rig for max smoke and then "tuned" again from the soundcard using MMSTV (SSTV) and WINWARBLER (PSK1) software by varying the output level of the soundcard to where I was peaking at only around 10-20 watts on my SWR/WATT meter. Also, set the VOX up so that TXing would trip the VOX when I wanted to send. MMSTV started rendering pictures right away, and I answered a couple of CQ's and got "closed circuit" RST's, so I figured it must be working OK. Then it was off to load up
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couple of minutes to figure out the software (should have RTFM) but soon was having a QSO with Texas and then CUBA. WOW THIS IS SOOOOOO MUCH FUN!!!!

Question is; I am just using simple mono audio cables with no in-line resistor pads or anything as JIM originally suggested. Do I NEED to add this (resistors), and if so what is the proceedure for constructing such a cable myself? Please keep in mind, I am severely "Electronically-challenged", so as detailed a description as possible always helps.

Thank's again to all for the help and suggestions for getting all this
up and running.

73's
Pete
VE3BHP

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830. Clips for the side door

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 07:02:55 UTC
From: Hal
Topic: 830 Message: 830

I was wondering if anyone might know of a source for the little clips for the side door. I broke one of them and would like to get a replacement.

Hal
KC0BDW

831. serial numbers

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 12:50:09 UTC
From: Greg Milligan
Topic: 830 Message: 831

Hi all,

I am now very pleased to have a complete line up of the kenwood TS-530S and TS-830S range of equipment (well OK, I havent got the TL-922 linear yet !).

I am currently marking up the equipment for insurance purposes and although some of the equipment that I purchased came with the original manuals (with the date of sale) I am curious which bit of kit is the oldest.

Does any one have a list of serial numbers that relates to the year of manufactuer?

--
Greg Milligan
EMAIL: greg@...

832. Re: Digi-Modes SUCCESS!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 19:35:16 UTC
From: Jim
Topic: 828 Message: 832

Pete,

I would agree with Bill, if it ain't broken don't fix it!!! Now, if you feel the need to torture yourself there is a project listed on the ARRL website to build an interface to the TS-820S (I figure the 520S is pretty similar). The link is:

http://www.arrl.org/news/features/1999/0701/2/?nc=1

I went to Radio Shack, bought all the parts, sweated over a hot soldering iron with the usual amount of invective and grunting noises (like when I noticed that the audio transformer is backwards in the schematic, but only after soldering it in place and clipping the wires!!!). My final result was that I found it works better WITHOUT the homebrew interface; your results may differ.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "kmbadlose" <inmotion@t...> wrote:
> Hi All:
>
> Just thought I'd update the group and thank you all for the help in
> getting some digital modes to work on my TS-520. So, I've connected
> my soundcard out to the PHONE PATCH in on the back of the rig and
> connected the soundcard in to the PHONE PATCH out. I have tuned up
> the rig for max smoke and then "tuned" again from the soundcard using
> MMSTV (SSTV) and WINWARBLER (PSK1) software by varying the output
> level of the soundcard to where I was peaking at only around 10-20
> watts on my SWR/WATT meter. Also, set the VOX up so that TXing would
> trip the VOX when I wanted to send. MMSTV started rendering pictures
> right away, and I answered a couple of CQ's and got "closed circuit"
> RST's, so I figured it must be working OK. Then it was off to load
> up
> WINWARBLER. I found the PSK frq on 20m and started listening. Took
> a
> couple of minutes to figure out the software (should have RTFM)

but
> soon was having a QSO with Texas and then CUBA. WOW THIS IS
SOOOOOO
> MUCH FUN!!!!
>
> Question is; I am just using simple mono audio cables with no in-
line
> resistor pads or anything as JIM originally suggested. Do I NEED
to
> add this (resistors), and if so what is the proceedure for
> constructing such a cable myself? Please keep in mind, I am
severely
> "Electronically-challenged", so as detailed a description as
possible
> always helps.
>
> Thank's again to all for the help and suggestions for getting all
> this
> up and running.
>
> 73's
> Pete
> VE3BHP

833. Re: [TS-520_820_530_830] Re: Digi-Modes SUCCESS!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 20:15:32 UTC
From: Bill
Topic: 828 Message: 833

Right on, Jim!

hey I never said "if it ain't broke"... I am "mr. mod"
you know! But in digital radio, it's different! You
gotta know when to stop messing with stuff, and it's
just after you get the last bit of RFI tamed and start
getting 100 percent on your QSOs, hi.

PS in HF digital, ground aint' necessarily ground, and
more ain't necessarily better. Or maybe it is. and
FERRITE IS YOUR FRIEND.

bill

--- Jim <K1ZC@...> wrote:
> Pete,
>
> I would agree with Bill, if it ain't broken don't
> fix it!!! Now, if
> you feel the need to torture yourself there is a
> project listed on
> the ARRL website to build an interface to the
> TS-820S (I figure the
> 520S is pretty similar). The link is:
>
> http://www.arrl.org/news/features/1999/0701/2/?nc=1
>
> I went to Radio Shack, bought all the parts, sweated
> over a hot
> soldering iron with the usual amount of invective
> and grunting
> noises (like when I noticed that the audio
> transformer is backwards
> in the schematic, but only after soldering it in
> place and clipping
> the wires!!!). My final result was that I found it
> works better
> WITHOUT the homebrew interface; your results may
> differ.
>
> 73,
> Jim
>
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "kmbadlose"

> <inmotion@t...> wrote:
> > Hi All:
> >
> > Just thought I'd update the group and thank you
> all for the help
> in
> > getting some digital modes to work on my TS-520.
> So, I've
> connected
> > my soundcard out to the PHONE PATCH in on the back
> of the rig and
> > connected the soundcard in to the PHONE PATCH out.
> I have tuned
> up
> > the rig for max smoke and then "tuned" again from
> the soundcard
> using
> > MMSTV (SSTV) and WINWARBLER (PSK1) software by
> varying the output
> > level of the soundcard to where I was peaking at
> only around 10-20
> > watts on my SWR/WATT meter. Also, set the VOX up
> so that TXing
> would
> > trip the VOX when I wanted to send. MMSTV started
> rendering
> pictures
> > right away, and I answered a couple of CQ's and
> got "closed
> circuit"
> > RST's, so I figured it must be working OK. Then
> it was off to load
> > up
> > WINWARBLER. I found the PSK frq on 20m and
> started listening.
> Took
> > a
> > couple of minutes to figure out the software
> (should have RTFM)
> but
> > soon was having a QSO with Texas and then CUBA.
> WOW THIS IS
> SOOOOOO
> > MUCH FUN!!!!
> >
> > Question is; I am just using simple mono audio
> cables with no in-
> line
> > resistor pads or anything as JIM originally
> suggested. Do I NEED

> to
> > add this (resistors), and if so what is the
> proceedure for
> > constructing such a cable myself? Please keep in
> mind, I am
> severely
> > "Electronically-challenged", so as detailed a
> description as
> possible
> > always helps.
> >
> > Thank's again to all for the help and suggestions
> for getting all
> > this
> > up and running.
> >
> > 73's
> > Pete
> > VE3BHP
>
>

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834. Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 22:31:16 UTC
From: Grant McDuling
Topic: 834 Message: 834

G'day guys,

I run a 520SE and am just getting the hang of things.
By the way, I found the guide on tuning that is on the
files section of the web site invaluable. But I do
have one (probably stupid) question: If I am only
working the 20m band and using a 20m dipole, do I need
to retune the rig every time I fire it up?

73s
Grant
VK4JAZ

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835. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-12 23:34:27 UTC
From: f x
Topic: 834 Message: 835

G'day mate,

Well, if there are no little fingers to turn the knobs when you are not around, and if you don't stray far from the last frequency you used, then it is probably not ABSOLUTELY necessary... But, just speaking for me, I always give the tune and plate knobs a little twiddle just be 100% sure that things are right on...and check to see that the plate current is about where it should be... Also, there is the possibility that the antenna characteristics might change somewhat... rain, ice, snow, dust, etc. makes a difference, or a broken wire, or even wire stretching over time...or after a big wind. So, the 5 seconds it takes to check and have peace of mind are a small amount of time just to be sure...

Just MHO,

73/DX

NYOY
Raleigh
Grant McDuling <grantmcduling@...> wrote:
G'day guys,

I run a 520SE and am just getting the hang of things.
By the way, I found the guide on tuning that is on the
files section of the web site invaluable. But I do
have one (probably stupid) question: If I am only
working the 20m band and using a 20m dipole, do I need
to retune the rig every time I fire it up?

73s
Grant
VK4JAZ

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836. Re: Side door plunger/gromet (was clips)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 01:29:31 UTC
From: james27613@att.net
Topic: 836 Message: 836

Hi,

Don't have the manul with me but http://www.kenwoodparts.com

I believe it is called a plunger and gromet they are inexpensive.

73 james ke4drn

> Subject: Clips for the side door
>
> I was wondering if anyone might know of a source for the little
> clips for the side door. I broke one of them and would like to get a
> replacement.
>
> Hal
> KC0BDW

837. Re: Side door plunger/gromet (was clips)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 02:00:18 UTC
From: Hal
Topic: 836 Message: 837

Thats them..thnx
Hal kc0bdw
> Hi,
>
> Don't have the manul with me but http://www.kenwoodparts.com
>
> I believe it is called a plunger and gromet they are inexpensive.
>
> 73 james ke4drn

838. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 10:45:44 UTC
From: Bill
Topic: 834 Message: 838

No sir.

Only if the cat is in the shack (cats de-tune rigs).

Just kidding!

Bill

--- Grant McDuling <grantmcduling@...> wrote:
> G'day guys,
>
> I run a 520SE and am just getting the hang of
> things.
> By the way, I found the guide on tuning that is on
> the
> files section of the web site invaluable. But I do
> have one (probably stupid) question: If I am only
> working the 20m band and using a 20m dipole, do I
> need
> to retune the rig every time I fire it up?
>
> 73s
> Grant
> VK4JAZ
>
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839. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 12:22:18 UTC
From: f x
Topic: 834 Message: 839

Hi Hi.... tell me about cats Bill...

Raliegh

Bill <coorsbill@...> wrote:
No sir.

Only if the cat is in the shack (cats de-tune rigs).

Just kidding!

Bill

--- Grant McDuling <grantmcduling@...> wrote:
> G'day guys,
>
> I run a 520SE and am just getting the hang of
> things.
> By the way, I found the guide on tuning that is on
> the
> files section of the web site invaluable. But I do
> have one (probably stupid) question: If I am only
> working the 20m band and using a 20m dipole, do I
> need
> to retune the rig every time I fire it up?
>
> 73s
> Grant
> VK4JAZ
>
>
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840. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 12:48:08 UTC
From: Bill
Topic: 834 Message: 840

Dunno, has something to do with the dielectric
constant of .... oh never mind, you know!! hi...

How you been?

bill

--- f x <dawnlight1491@...> wrote:
> Hi Hi.... tell me about cats Bill...
>
> Raliegh
>
> Bill <coorsbill@...> wrote:
> No sir.
>
> Only if the cat is in the shack (cats de-tune rigs).
>
> Just kidding!
>
> Bill
>
> --- Grant McDuling <grantmcduling@...>
> wrote:
> > G'day guys,
> >
> > I run a 520SE and am just getting the hang of
> > things.
> > By the way, I found the guide on tuning that is on
> > the
> > files section of the web site invaluable. But I do
> > have one (probably stupid) question: If I am only
> > working the 20m band and using a 20m dipole, do I
> > need
> > to retune the rig every time I fire it up?
> >
> > 73s
> > Grant
> > VK4JAZ
> >
> >
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841. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-13 13:38:06 UTC
From: f x
Topic: 834 Message: 841

Busy at the new job and running the farm... not been on much... seem to have some problem related to the VOX circuit... involuntary keying, and RX frequency shift... warbly... guess one of the boards is loose, or has dirty contacts... but no time to look inside...

You guys doing OK?

Raleigh

Bill <coorsbill@...> wrote:
Dunno, has something to do with the dielectric
constant of .... oh never mind, you know!! hi...

How you been?

bill

--- f x <dawnlight1491@...> wrote:
> Hi Hi.... tell me about cats Bill...
>
> Raliegh
>
> Bill <coorsbill@...> wrote:
> No sir.
>
> Only if the cat is in the shack (cats de-tune rigs).
>
> Just kidding!
>
> Bill
>
> --- Grant McDuling <grantmcduling@...>
> wrote:
> > G'day guys,
> >
> > I run a 520SE and am just getting the hang of
> > things.
> > By the way, I found the guide on tuning that is on
> > the
> > files section of the web site invaluable. But I do
> > have one (probably stupid) question: If I am only
> > working the 20m band and using a 20m dipole, do I
> > need
> > to retune the rig every time I fire it up?
> >
> > 73s
> > Grant

> > VK4JAZ
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842. Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-14 01:33:02 UTC
From: robjaw1
Topic: 842 Message: 842

Can someone tell me the best way, if there is one, to solder nichrome wire? I was going to try to make new parasitic supressors for in a RF amp instead of copper wire, since I have been told that it lowers the Q of them, but I cant seem to get anything to "stick" to the nichrome, I tried regular, and silver solder..... Any suggestions?

Thanks
Rob
KB3JZG

843. Re: [TS-520_820_530_830] Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-14 03:13:16 UTC
From: Dave Hurst
Topic: 842 Message: 843

I'm not a metallurgist, but it seems to me, due to the wire being nickle plated, you'll have to remove the plating, leaving the bare wire to solder.

robjaw1 <robjaw1@...> wrote:Can someone tell me the best way, if there is one, to solder nichrome
wire? I was going to try to make new parasitic supressors for in a RF
amp instead of copper wire, since I have been told that it lowers the
Q of them, but I cant seem to get anything to "stick" to the
nichrome, I tried regular, and silver solder..... Any suggestions?

Thanks
Rob
KB3JZG

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844. Re: [TS-520_820_530_830] Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-14 03:33:04 UTC
From: f x
Topic: 842 Message: 844

Dear Rob,

You will need a torch that generates about 1200 deg. The common campers butane torches readily available at cigar shops will do the job for a small application..(they claim up to 3000 deg.) Here is a link to follow to get the proper stuff to do the job...
http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%20Easy%20Flow%2045

Good luck

NYOY
Raleigh

robjaw1 <robjaw1@...> wrote:
Can someone tell me the best way, if there is one, to solder nichrome wire? I was going to try to make new parasitic supressors for in a RF amp instead of copper wire, since I have been told that it lowers the Q of them, but I cant seem to get anything to "stick" to the nichrome, I tried regular, and silver solder..... Any suggestions?

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Rob
KB3JZG

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845. Re: [TS-520_820_530_830] Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-14 12:19:24 UTC
From: Bill
Topic: 842 Message: 845

Takes a special flux, low heat, and silver solder.

Do google search on "low q vhf parasitic suppressors"
and it will lead to the info

I will help you more, later... busy right now.

73

bill

--- robjaw1 <robjaw1@...> wrote:
> Can someone tell me the best way, if there is one,
> to solder nichrome
> wire? I was going to try to make new parasitic
> supressors for in a RF
> amp instead of copper wire, since I have been told
> that it lowers the
> Q of them, but I cant seem to get anything to
> "stick" to the
> nichrome, I tried regular, and silver solder.....
> Any suggestions?
>
> Thanks
> Rob
> KB3JZG
>
>
>
>
>

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846. Re: [TS-520_820_530_830] Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-14 17:41:11 UTC
From: Bill
Topic: 842 Message: 846

I use a 40w weller iron at 625 degrees!

b

--- f x <dawnlight1491@...> wrote:
> Dear Rob,
>
> You will need a torch that generates about 1200 deg.
> The common campers butane torches readily available
> at cigar shops will do the job for a small
> application..(they claim up to 3000 deg.) Here is a
> link to follow to get the proper stuff to do the
> job...
>
http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%20Easy%20Flow%2045
>
> Good luck
>
> NYOY
> Raleigh
>
> robjaw1 <robjaw1@...> wrote:
> Can someone tell me the best way, if there is one,
> to solder nichrome
> wire? I was going to try to make new parasitic
> supressors for in a RF
> amp instead of copper wire, since I have been told
> that it lowers the
> Q of them, but I cant seem to get anything to
> "stick" to the
> nichrome, I tried regular, and silver solder.....
> Any suggestions?
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> Thanks
> Rob
> KB3JZG
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847. Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 01:40:59 UTC
From: robjaw1
Topic: 842 Message: 847

Thanks everyone for your input!!!
But I think Bill is right.....
I tried the torch after I tried the 15 watt iron, then
the 140 watt gun..... burnt a resistor pretty good doing that, either
way I tried I couldnt get the solder, either silver or regular to
stick....
I just need to find the RIGHT flux!
Ill try searching some stores tomorrow.....

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> I use a 40w weller iron at 625 degrees!
>
> b
>
> --- f x <dawnlight1491@y...> wrote:
> > Dear Rob,
> >
> > You will need a torch that generates about 1200 deg.
> > The common campers butane torches readily available
> > at cigar shops will do the job for a small
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> http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%
20Easy%20Flow%2045
> >
> > Good luck
> >
> > NYOY
> > Raleigh
> >
> > robjaw1 <robjaw1@y...> wrote:
> > Can someone tell me the best way, if there is one,
> > to solder nichrome
> > wire? I was going to try to make new parasitic
> > supressors for in a RF
> > amp instead of copper wire, since I have been told
> > that it lowers the
> > Q of them, but I cant seem to get anything to
> > "stick" to the

> > nichrome, I tried regular, and silver solder.....
> > Any suggestions?
> >
> > Thanks
> > Rob
> > KB3JZG
> >
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> > [Non-text portions of this message have been
> > removed]
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>
> see our website www.amateur-repairs.com
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> _____________________________________
> Do you Yahoo!?
> The New Yahoo! Shopping - with improved product search
> http://shopping.yahoo.com

848. Re: [TS-520_820_530_830] Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 02:00:26 UTC
From: Bill
Topic: 842 Message: 848

R. L. Measures, 805-386-3734, AG6K

here is his website
http://www.somis.org/

Rich sells kits for making these low-Q vhf parasitic
suppressors... order a kit and you will have enough
stuff to make several pair, some for friends.

You need to solder these over newspaper, and the fumes
from the flux are not to be breathed.

--- robjaw1 <robjaw1@...> wrote:
> Thanks everyone for your input!!!
> But I think Bill is right.....
> I tried the torch after I tried the 15 watt iron,
> then
> the 140 watt gun..... burnt a resistor pretty good
> doing that, either
> way I tried I couldnt get the solder, either silver
> or regular to
> stick....
> I just need to find the RIGHT flux!
> Ill try searching some stores tomorrow.....
>
> Rob
> KB3JZG
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > I use a 40w weller iron at 625 degrees!
> >
> > b
> >
> > --- f x <dawnlight1491@y...> wrote:
> > > Dear Rob,
> > >
> > > You will need a torch that generates about 1200
> deg.
> > > The common campers butane torches readily
> available
> > > at cigar shops will do the job for a small
> > > application..(they claim up to 3000 deg.) Here
> is a

> > > link to follow to get the proper stuff to do the
> > > job...
> > >
> >
>
http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%
> 20Easy%20Flow%2045
> > >
> > > Good luck
> > >
> > > NYOY
> > > Raleigh
> > >
> > > robjaw1 <robjaw1@y...> wrote:
> > > Can someone tell me the best way, if there is
> one,
> > > to solder nichrome
> > > wire? I was going to try to make new parasitic
> > > supressors for in a RF
> > > amp instead of copper wire, since I have been
> told
> > > that it lowers the
> > > Q of them, but I cant seem to get anything to
> > > "stick" to the
> > > nichrome, I tried regular, and silver
> solder.....
> > > Any suggestions?
> > >
> > > Thanks
> > > Rob
> > > KB3JZG
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> > >
> > >
> > >
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> > > Your use of Yahoo! Groups is subject to the
> Yahoo!
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> > > ---------------------------------

> > > Do you Yahoo!?
> > > The New Yahoo! Shopping - with improved product
> > > search
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849. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 03:15:28 UTC
From: Ken Nellis
Topic: 834 Message: 849

Raleigh:

That sounds like the TS820S problem I mentioned to the list a week or two ago. I hear what sounds like the cycling of a relay deep in the case, there is a bit of a hum, and the RX frequency might or might not jump up 2.7 kHz.

If you figure out what's causing it be sure to clue the rest of us in, not that I'd actually be able to fix it... I'm no electronics man; my expertise was exhausted when I vacuumed the cat hair out of the enclosure. (There are still a few behind the glass of the meter.)

Ken

----Original Message Follows----
From: f x <dawnlight1491@...>

Busy at the new job and running the farm... not been on much... seem to have some problem related to the VOX circuit... involuntary keying, and RX frequency shift... warbly... guess one of the boards is loose, or has dirty contacts... but no time to look inside...

You guys doing OK?

Raleigh

Use custom emotions -- try MSN Messenger 6.0!
http://www.msnmessenger-download.com/tracking/reach_emoticon

850. Re: [TS-520_820_530_830] Tuning up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 03:45:03 UTC
From: f x
Topic: 834 Message: 850

Hi Ken,

My reply to the cat thing actually happened about three months ago... I usually leave the rig in CW where I work most often... The cat jumped up on the table and lay down next to me while I was working on the computer... unbeknownst to me, he was laying against the bug, and the rig was KEY DOWN... and stayed that way until it went SPUUUNNNGGGG and all the lights went out... sent it to Bill... Blew the finals and driver, but no other damage... darn rugged power supply... I now make it a point to keep the rig in SSB when I am not actually operating...

73

Raleigh
NY0Y

Ken Nellis <knellis@...> wrote:
Raleigh:

That sounds like the TS820S problem I mentioned to the list a week or two ago. I hear what sounds like the cycling of a relay deep in the case, there is a bit of a hum, and the RX frequency might or might not jump up 2.7 kHz.

If you figure out what's causing it be sure to clue the rest of us in, not that I'd actually be able to fix it... I'm no electronics man; my expertise was exhausted when I vacuumed the cat hair out of the enclosure. (There are still a few behind the glass of the meter.)

Ken

----Original Message Follows----
From: f x <dawnlight1491@...>

Busy at the new job and running the farm... not been on much... seem to have some problem related to the VOX circuit... involuntary keying, and RX frequency shift... warbly... guess one of the boards is loose, or has dirty contacts... but no time to look inside...

You guys doing OK?

Raleigh

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[Non-text portions of this message have been removed]

851. Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 11:56:13 UTC
From: robjaw1
Topic: 842 Message: 851

Bill,
Yes that is where I got the idea in the first place to change out the ones in the amp that I am rebuilding. He didnt have the amp I have listed, and I did email him to get a quote for my amp, but never got a response. So I just figured out the resistors I needed, and got myself a nice piece of 18awg nichrome 60 wire. I have them all built, now I just need to find the right flux so I can solder them together.....

Thanks!
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> R. L. Measures, 805-386-3734, AG6K
>
> here is his website
> http://www.somis.org/
>
>
> Rich sells kits for making these low-Q vhf parasitic
> suppressors... order a kit and you will have enough
> stuff to make several pair, some for friends.
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> You need to solder these over newspaper, and the fumes
> from the flux are not to be breathed.
>
>
> --- robjaw1 <robjaw1@y...> wrote:
> > Thanks everyone for your input!!!
> > But I think Bill is right.....
> > I tried the torch after I tried the 15 watt iron,
> > then
> > the 140 watt gun..... burnt a resistor pretty good
> > doing that, either
> > way I tried I couldnt get the solder, either silver
> > or regular to
> > stick....
> > I just need to find the RIGHT flux!
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> >
> > Rob
> > KB3JZG
> >

> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > <coorsbill@y...>
> > wrote:
> > > I use a 40w weller iron at 625 degrees!
> > >
> > > b
> > >
> > > --- f x <dawnlight1491@y...> wrote:
> > > > Dear Rob,
> > > >
> > > > You will need a torch that generates about 1200
> > deg.
> > > > The common campers butane torches readily
> > available
> > > > at cigar shops will do the job for a small
> > > > application..(they claim up to 3000 deg.) Here
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> > > > link to follow to get the proper stuff to do the
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> >
> http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%
> > 20Easy%20Flow%2045
> > > >
> > > > Good luck
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> > > > robjaw1 <robjaw1@y...> wrote:
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> > > > Any suggestions?
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> > > > Thanks
> > > > Rob
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852. Re: [TS-520_820_530_830] Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 13:45:13 UTC
From: Bill
Topic: 842 Message: 852

Have never figured what the chem is that we use, info
should be out there somewhere...

b

--- robjaw1 <robjaw1@...> wrote:
> Bill,
> Yes that is where I got the idea in the first place
> to change out the
> ones in the amp that I am rebuilding. He didnt have
> the amp I have
> listed, and I did email him to get a quote for my
> amp, but never got
> a response. So I just figured out the resistors I
> needed, and got
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> solder them
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> Rob
> KB3JZG
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> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > R. L. Measures, 805-386-3734, AG6K
> >
> > here is his website
> > http://www.somis.org/
> >
> >
> > Rich sells kits for making these low-Q vhf
> parasitic
> > suppressors... order a kit and you will have
> enough
> > stuff to make several pair, some for friends.
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> > You need to solder these over newspaper, and the
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> > from the flux are not to be breathed.
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> > --- robjaw1 <robjaw1@y...> wrote:
> > > Thanks everyone for your input!!!
> > > But I think Bill is right.....
> > > I tried the torch after I tried the 15 watt
> iron,
> > > then
> > > the 140 watt gun..... burnt a resistor pretty
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> > > doing that, either
> > > way I tried I couldnt get the solder, either
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> > > or regular to
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> > > I just need to find the RIGHT flux!
> > > Ill try searching some stores tomorrow.....
> > >
> > > Rob
> > > KB3JZG
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> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > > <coorsbill@y...>
> > > wrote:
> > > > I use a 40w weller iron at 625 degrees!
> > > >
> > > > b
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> > > > --- f x <dawnlight1491@y...> wrote:
> > > > > Dear Rob,
> > > > >
> > > > > You will need a torch that generates about
> 1200
> > > deg.
> > > > > The common campers butane torches readily
> > > available
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>
http://www.fredparrcycledesign.com/brazingandsilver3.htm#Handy%
> > > 20Easy%20Flow%2045
> > > > > > >

> > > > > Good luck
> > > > >
> > > > > NYOY
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> > > > > robjaw1 <robjaw1@y...> wrote:
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853. Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 14:28:37 UTC
From: robjaw1
Topic: 842 Message: 853

Well from what I gather bill, it is Zinc Chloride. But after all my searching out, I found that RatShack has something called solder weld and it has silver solder in it, and also contains Zinc Ammonia Chloride as the flux, and it is supposed to be able to solder to nickel, stainless, chrome, ect.... So I think Ill give that a go around... Just think all this just for 4 new parasitics...This was a good exersize in case I would ever need to do this in my 820S! HI HI

Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Have never figured what the chem is that we use, info
> should be out there somewhere...
>
> b
>
> --- robjaw1 <robjaw1@y...> wrote:
> > Bill,
> > Yes that is where I got the idea in the first place
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> > > > > --- f x <dawnlight1491@y...> wrote:
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854. Re: [TS-520_820_530_830] Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-15 15:34:50 UTC
From: Bill
Topic: 842 Message: 854

Like anything else new, the learning curve and all
that.. now you will be the group's

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see our website www.amateur-repairs.com

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http://shopping.yahoo.com

855. Re: Not a true 820S question, but....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-16 11:17:09 UTC
From: robjaw1
Topic: 842 Message: 855

```
--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
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857. Nichrome Wire Flux

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-16 16:25:19 UTC
From: rsakabu
Topic: 857 Message: 857

Sorry Group,
I hit the CR button and it sent the last message before I got to post anything.

I used nickel plated high tensile strength copper alloy wire once and ran into the same problem. The solder simply won't stick to the plating. So I found out that "RMA" flux allows the solder to stick much better. RMA stands for Rosin based Mildly Active flux. I believe it is ZnCl based like the stuff you have been discussing. It is sold in most decent electronics stores for about $10 for an ounce or two.
Be sure to use it sparingly and clean off all the flux after soldering. Otherwise you may turn your wire into a green powder after a few months (probably copper chloride). It is not a good idea to use it on stranded insulated wire because the strands will wick the flux or flux/cleaner back into the insulation. Bare single stranded wire is OK because you can clean the flux off pretty good.

Rosin based solder flux is usually rated: R, RMA, and RA
R - least aggressive and not corrosive
RMA - more aggressive and some manufacturers say it does not need to be cleaned off. I would be safe and clean if off.
RA - very aggressive and must be cleaned off immediately. Usually not recommended.

73
Roy
AD6ZU

858. Voltage drop on transmit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-18 19:50:54 UTC
From: Jim Volstad
Topic: 858 Message: 858

When I manually key the rig, it shows 900 volts. When it transmits however, it drops down to 800 volts. Is this a normal high voltage drop or is it something to be concerned with?

859. Re: [TS-520_820_530_830] Voltage drop on transmit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-18 22:12:49 UTC
From: Bill
Topic: 858 Message: 859

Not to worry.

The 520 et al uses a voltage divider, so the least
little bit of load will drop it somewatt (sorry). The
first 50mA of bias will actually drop the voltage
about as much as the next 250mA of output will... so
it's a diminishing effect as you increase the load.

bill

--- Jim Volstad <jvolstad@...> wrote:
> When I manually key the rig, it shows 900 volts.
> When it transmits
> however, it drops down to 800 volts. Is this a
> normal high voltage
> drop or is it something to be concerned with?
>
>
>
>

=====

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860. Re: Nichrome Wire Flux

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 11:26:18 UTC
From: robjaw1
Topic: 857 Message: 860

Thanks Roy,
I found a flux called "Ruby", it is a liquid flux from
a local harware store. And that did the trick. Took a bit of time,
but worked great! Nasty stuff that flux is.....
Thanks for everyones help!

73'S

Rob
KB3JZG

861. PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 17:49:04 UTC
From: kmbadlose
Topic: 861 Message: 861

OK, my 520 is "psk"ing along quite niceley and i've been trying to figure out how to get the rig to switch to and from transmit via the MixW software that I've been trying out. It seems pretty simple since
you just have to complete a circuit between pins 3 and 2 on the mic jack, but I can't figure out how to do this via the serial jack on the
computer. MixW gives an example "simple circuit" for Serial but I can't figure out which pins from the serial cable go to which pins on the mic jack. If anyone who has experience with this could "walk me through" putting one of these cables together, it'd be greatly appreciated.

73's
Pete
VE3BHP

862. Re: [TS-520_820_530_830] PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 18:03:17 UTC
From: radionut
Topic: 861 Message: 862

---> My reply to what kmbadlose wrote 10/20/2003 12:49:04 PM

I am not sure if you have a DB9 or DB25 type serial port but with either you need to isolate the serial port from your PTT You can do that with a simple circuit a Optocoupler like a 4N33 or 4N37 will work fine.

You can use the RTS or DTR lines from your serial port. Some use the RTS for PTT and the DTR for CW keying.

On a DB9 the RTS is pin 7 and the DTR is pin 4, the Ground is pin 5. On the DB25 the RTS is pin 4, the DTR is pin 20 and Ground is pin 7 (in both cases when I refer to Ground I am referring to Signal Ground.

Mike

---------- Original Message ----------

OK, my 520 is "psk"ing along quite niceley and i've been trying to figure out how to get the rig to switch to and from transmit via the MixW software that I've been trying out. It seems pretty simple since
you just have to complete a circuit between pins 3 and 2 on the mic jack, but I can't figure out how to do this via the serial jack on the
computer. MixW gives an example "simple circuit" for Serial but I can't figure out which pins from the serial cable go to which pins on the mic jack. If anyone who has experience with this could "walk me through" putting one of these cables together, it'd be greatly appreciated.

73's
Pete
VE3BHP

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

863. Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 18:42:45 UTC
From: kmbadlose
Topic: 861 Message: 863

Mike & The Group:

Thank you so much for the very quick response. So, in the case of the DB-9 which is what I plan on using, would pin 7 from the serial port lead to pin 2 on the mic jack and pin 5 from the serial port lead to pin 3 (all through the Optocoupler curcuit of course)? Or am I still way off here? It's the "ground" that's got me confused.

You may feel free to slap me upside the head if I'm way off on this (hihi) :)

Pete
VE3BHP

864. Re: [TS-520_820_530_830] Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 19:02:59 UTC
From: radionut
Topic: 861 Message: 864

---> My reply to what kmbadlose wrote 10/20/2003 1:42:45 PM

No, you would pick one of the two lines to use, I would suggest the RTS (pin 7 on DB9). In the software, it should let you select what you want to use and set that to RTS. In this case you would not use the DTR line at all.

Your connections from the DB9 serial port will be pin 7 and pin 5 (Ground). You will use these two lines to 'key' or turn on and off your Optocoupler circuit (or transistor switch circuit). Then from the output of that you can switch your rig. The output (switched side) of your circuit would go to the mic jack on your rig. No direct connection between the serial port and mic jack will exist.

Basically your serial port (lines 7 and 5) will connect to your switch circuit and turn it on and off (think of it as a relay) and then your mic jack will connect to the isolated output.

By the way, if you are not using isolation on your two audio lines you should consider it as well. You could set up a ground loop and/or introduce noise without isolating not to mention the REAL possibility of damage to your computer and/or rig if anything goes wrong. Isolation is important on all lines that interface the rig to your computer. It doesn't take much to cause damage.

<Stepping off soap box>

One idea you may want to try is to use to use your vox on your 520 to key the rig when you send audio from the computer. I have not tried it, so I don't know if the vox would be fast enough to switch into transmit and not loose any of the digital tones you are sending from the computer but it might be worth a try. Guessing you would have to set your VOX level to the audio input levels, shut off or reduce the anti vox and set your delay very short. Might just be worth playing with.

Mike

---------- Original Message ----------

Mike & The Group:

Thank you so much for the very quick response. So, in the case of the DB-9 which is what I plan on using, would pin 7 from the serial port lead to pin 2 on the mic jack and pin 5 from the serial port lead to pin 3 (all through the Optocoupler curcuit of course)? Or am I still way off here? It's the "ground" that's got me confused.

You may feel free to slap me upside the head if I'm way off on this (hihi) :)

Pete
VE3BHP

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[Non-text portions of this message have been removed]

865. Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 19:30:51 UTC
From: kmbadlose
Topic: 861 Message: 865

Mike:

You wrote:

>>The output (switched side) of your circuit would go to the
>>mic jack on your rig. No direct connection between the serial port
>>and mic jack will exist.

Yes, this I understand... thanks. Question is, I have two pins on the mic jack that make up the PTT circuit. Do I attach one to the ground output and the other to the opposite side?

Pete
VE3BHP

866. Re: [TS-520_820_530_830] Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 20:02:50 UTC
From: radionut
Topic: 861 Message: 866

---> My reply to what kmbadlose wrote 10/20/2003 2:30:51 PM

You will have the two pins from the mic jack connect to the output (switched side) of the circuit. When the input to the circuit is activated, it will complete the connections between the two connections on the output. It would be like shorting the two pins on the mic jack. When the input to the circuit is deactivated the path between the two output connected wires will be broken and like removing a short between the two pins on the mic jack.

Mike

---------- Original Message ----------

Mike:

You wrote:

>>The output (switched side) of your circuit would go to the
>>mic jack on your rig. No direct connection between the serial port
>>and mic jack will exist.

Yes, this I understand... thanks. Question is, I have two pins on the mic jack that make up the PTT circuit. Do I attach one to the ground output and the other to the opposite side?

Pete
VE3BHP

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867. Re: [TS-520_820_530_830] Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 20:19:35 UTC
From: radionut
Topic: 861 Message: 867

---> My reply to what kmbadlose wrote 10/20/2003 2:30:51 PM

Take a look at this link, it will give you a drawing for what we have been talking about:

http://www.qsl.net/soundcardpacket/AGWImages/pttopto.gif

Mike

---------- Original Message ----------

Mike:

You wrote:

>>The output (switched side) of your circuit would go to the
>>mic jack on your rig. No direct connection between the serial port
>>and mic jack will exist.

Yes, this I understand... thanks. Question is, I have two pins on the mic jack that make up the PTT circuit. Do I attach one to the ground output and the other to the opposite side?

Pete
VE3BHP

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[Non-text portions of this message have been removed]

868. Re: [TS-520_820_530_830] Re: PTT from Serial Cable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 20:21:15 UTC
From: radionut
Topic: 861 Message: 868

---> My reply to what kmbadlose wrote 10/20/2003 2:30:51 PM

Also, here is a link the the DB9 information:

http://www.qsl.net/soundcardpacket/AGWImages/db9_pin.gif

Take a look at this link, it will give you a drawing for what we have been
talking about:

http://www.qsl.net/soundcardpacket/AGWImages/pttopto.gif

Mike

---------- Original Message -----------

Mike:

You wrote:

>>The output (switched side) of your circuit would go to the
>>mic jack on your rig. No direct connection between the serial port
>>and mic jack will exist.

Yes, this I understand... thanks. Question is, I have two pins on the
mic jack that make up the PTT circuit. Do I attach one to the ground
output and the other to the opposite side?

Pete
VE3BHP

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[Some portions of this message may have been removed]

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[Non-text portions of this message have been removed]

869. Mic pinout on the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 20:34:16 UTC
From: radionut
Topic: 808 Message: 869

According to my service manual, on the 520-S pins 2 and 3 are the PTT pins. Pin 3 is ground.

In the case we have been talking about you would short pin 2 to 3 to PTT

Mike

[Non-text portions of this message have been removed]

870. Re: Mic pinout on the 520-S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-20 21:10:06 UTC
From: kmbadlose
Topic: 808 Message: 870

Hey Mike:

Thank's for the links etc. I'm starting to undertand now ("starting" being the key word there). You have been an amazing help to me today Mike. All the best.

Pete
VE3BHP

871. QRP - ALC mod TS520 question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-25 19:52:00 UTC
From: kmbadlose
Topic: 871 Message: 871

I'm about to do the qrp mod as described by Bill and on the mods.dk site and just had a few of questions about it:

1) Do you need a special plug, or can you just stick the end leads in the appropriate holes?

2) Is there a special kind of 220K pot required, or will any kind work?

3)Do I tune up the rig as per normal, or is there any other steps I must take once the mod is in place.

73's
Pete
VE3BHP

872. Re: [TS-520_820_530_830] QRP - ALC mod TS520 question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-26 04:46:28 UTC
From: Bill
Topic: 871 Message: 872

Best to use a connector, more reliable.

Linear pot is best, if you have one.

Yep, tune up as per normal, then crank 'er down. Get
a splatter report or two.

bill

--- kmbadlose <inmotion@...> wrote:
> I'm about to do the qrp mod as described by Bill and
> on the mods.dk
> site and just had a few of questions about it:
>
> 1) Do you need a special plug, or can you just stick
> the end leads in
> the appropriate holes?
>
> 2) Is there a special kind of 220K pot required, or
> will any kind
> work?
>
> 3)Do I tune up the rig as per normal, or is there
> any other steps I
> must take once the mod is in place.
>
> 73's
> Pete
> VE3BHP
>
>
>
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>

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873. TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-26 13:10:42 UTC
From: falcon2448
Topic: 873 Message: 873

Good afternoon everyone,

Names' Michael and I have 2 Kenwood rigs that exhibiting
the exact same problem.

First, TS-820S which has an external VFO (VFO-820) and it
works great, no problems. The internal VFO on the 820S
however, does not. Starting around 14.200, same on all bands,
the VFO and digital display go nuts, becomes instable. I have
removed the internal VFO, cleaned the rear bearing with contact
cleaner but it still exhibits the same problem.

Second, TS-700SP, same problem except no external VFO. On any
band setting, 144, 145, 146 or 147, at the same dial setting
the VFO and digital display do the same thing as the 820S does,
is unstable and erratic. I have not removed the VFO in the 700SP
because I assumed doing the samething I did with the 820S will
produce the same results.

Any ideas on what the problem could be? I've read various
inputs about the rear bearing and tension spring being the
cultprit. That's what caused me to clean the rear bearing
with contact cleaner. I didn't use a very thin file to clean
the surface because I don't have one that small.

When the VFO can, in the 820S, was removed, the inside of the
VFO was very clean and didn't show any signs of dirty. So,
I'm wondering if anyone has had the same problem and if so
what the cure was?

73's,

Michael
DA1TNJ / WB8TNJ

874. Re: [TS-520_820_530_830] TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-26 13:28:03 UTC
From: Mike
Topic: 873 Message: 874

>First, TS-820S which has an external VFO (VFO-820) and it
>works great, no problems. The internal VFO on the 820S
>however, does not. Starting around 14.200, same on all bands,
>the VFO and digital display go nuts, becomes instable. I have
>removed the internal VFO, cleaned the rear bearing with contact
>cleaner but it still exhibits the same problem.

While it was apart did you rebend the tension spring? Based on your description of what you did it would seem you did not. Re-bend the contact tension spring to put additional force into the contact, you will need to remove the VFO cover to do this. Cleaning the bearing with contact cleaner (or any other cleaner) won't do a thing to help any electrical contact problems.

An easy way to confirm a poor electrical contact is to tap the VFO housing. If the frequency changes or goes out you have determined that the contact spring isn't under enough tension.

The same goes for the TS-700 VFO, check and repair it in the same way.

875. Re: [TS-520_820_530_830] TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-26 17:09:15 UTC
From: Bill
Topic: 873 Message: 875

They have the same exact fix: remove the VFO, remove
the cover, clean the compression fitting at the back
of the variable capacitor. It is a grounding wiper to
the rotor and is dirty.

Use Cailube MCL, apply one drop only to the fitting,
do not spray the capacitor.

73

bill

--- falcon2448 <mwaldrop@...> wrote:
> Good afternoon everyone,
>
> Names' Michael and I have 2 Kenwood rigs that
> exhibiting
> the exact same problem.
>
> First, TS-820S which has an external VFO (VFO-820)
> and it
> works great, no problems. The internal VFO on the
> 820S
> however, does not. Starting around 14.200, same on
> all bands,
> the VFO and digital display go nuts, becomes
> instable. I have
> removed the internal VFO, cleaned the rear bearing
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> cleaner but it still exhibits the same problem.
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> band setting, 144, 145, 146 or 147, at the same dial
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> 820S does,
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> because I assumed doing the samething I did with the
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> produce the same results.
>
> Any ideas on what the problem could be? I've read
> various
> inputs about the rear bearing and tension spring

> being the
> cultprit. That's what caused me to clean the rear
> bearing
> with contact cleaner. I didn't use a very thin file
> to clean
> the surface because I don't have one that small.
>
> When the VFO can, in the 820S, was removed, the
> inside of the
> VFO was very clean and didn't show any signs of
> dirty. So,
> I'm wondering if anyone has had the same problem and
> if so
> what the cure was?
>
> 73's,
>
> Michael
> DA1TNJ / WB8TNJ
>
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876. RE: [TS-520_820_530_830] TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-26 09:00:33 UTC
From: Bill
Topic: 873 Message: 876

Tell me more. What is this Cailube MCL????

K2WH
-----Original Message-----
From: Bill [mailto:coorsbill@...]
Sent: Sunday, October 26, 2003 22:09 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-700 and 820S erratic internal VFO

They have the same exact fix: remove the VFO, remove
the cover, clean the compression fitting at the back
of the variable capacitor. It is a grounding wiper to
the rotor and is dirty.

Use Cailube MCL, apply one drop only to the fitting,
do not spray the capacitor.

73

bill

--- falcon2448 <mwaldrop@...> wrote:
> Good afternoon everyone,
>
> Names' Michael and I have 2 Kenwood rigs that
> exhibiting
> the exact same problem.
>
> First, TS-820S which has an external VFO (VFO-820)
> and it
> works great, no problems. The internal VFO on the
> 820S
> however, does not. Starting around 14.200, same on
> all bands,
> the VFO and digital display go nuts, becomes
> instable. I have
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> because I assumed doing the samething I did with the
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> Any ideas on what the problem could be? I've read
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877. RE: [TS-520_820_530_830] TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-27 13:26:31 UTC
From: Bill
Topic: 873 Message: 877

www.caiglabs.com

It's the best controls cleaner there is.

bill

--- Bill <k2wh@...> wrote:
> Tell me more. What is this Cailube MCL????
>
> K2WH
> -----Original Message-----
> From: Bill [mailto:coorsbill@...]
> Sent: Sunday, October 26, 2003 22:09 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] TS-700 and 820S
> erratic internal VFO
>
>
> They have the same exact fix: remove the VFO,
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> of the variable capacitor. It is a grounding
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>
> Use Cailube MCL, apply one drop only to the
> fitting,
> do not spray the capacitor.
>
> 73
>
> bill
>
> --- falcon2448 <mwaldrop@...> wrote:
> > Good afternoon everyone,
> >
> > Names' Michael and I have 2 Kenwood rigs that
> > exhibiting
> > the exact same problem.
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> > First, TS-820S which has an external VFO
> (VFO-820)
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> > I'm wondering if anyone has had the same problem
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> > if so
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> >

> > 73's,
> >
> > Michael
> > DA1TNJ / WB8TNJ
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878. TS 520se Heater Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-27 13:15:23 UTC
From: ka9vaa
Topic: 878 Message: 878

I am a new member and want to thank everyone for all the useful information I have found here.

Now a question, is it possible to add a heater switch to the 520se? And is it worth doing if it can be done?

73 tom ka9vaa

879. Re: [TS-520_820_530_830] TS 520se Heater Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-27 18:01:36 UTC
From: Bill
Topic: 878 Message: 879

I would not do it, doesn't really get you anything and
unless done right, will devalue the rig.

bill

--- ka9vaa <ka9vaa@...> wrote:
> I am a new member and want to thank everyone for all
> the useful
> information I have found here.
>
> Now a question, is it possible to add a heater
> switch to the 520se?
> And is it worth doing if it can be done?
>
> 73 tom ka9vaa
>
>
>
>
>

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880. ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-27 18:33:39 UTC
From: Nigel
Topic: 439 Message: 880

Hi this is probably a stupid question but i will ask it. i have a ts 503sp and want to run it at 5watts on cw. i know that turning the drive down will reduce the power. My real question is will it damaged the rig running at this power level. i am concerned that i might damage the valves. I did say it was a stupid question just want to put my mind at rest before i try it. all the best nigel m0dbo

881. Re: [TS-520_820_530_830] ts530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-27 21:18:03 UTC
From: Bill
Topic: 439 Message: 881

No problem. If you want, you can re-dip the finals
after you turn it down, but in any case you will not
be exceeding the tube dissipation levels even if not
perfectly dipped on the plate current.

Hope to see you on QRP! Look for me on the low end of
ten meters, 28.020 to about 28.050; I try to get on
when I can.

73,

bill K0ZL

--- Nigel <nhead1@...> wrote:
> Hi this is probably a stupid question but i will ask
> it. i have a ts
> 503sp and want to run it at 5watts on cw. i know
> that turning the
> drive down will reduce the power. My real question
> is will it damaged
> the rig running at this power level. i am concerned
> that i might
> damage the valves. I did say it was a stupid
> question just want to
> put my mind at rest before i try it. all the best
> nigel m0dbo
>
>

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882. Keyer glitsch with TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-28 22:43:43 UTC
From: Ken Nellis
Topic: 882 Message: 882

Hello!

I have noticed that my keyer works fine with my TS820S on 80, 40 & 20 meters, but not on 15 or 10.

What happens is that when I flip the send/receive switch to send and key eeither a dot or a dash the keyer "sticks" and the tone sustains until I switch the keyer off or flip the send/receive switch back down to receive.

Does this sound like a keyer or a transceiver problem? I'm guessing keyer, but don't see why the same problem is not observed on the other bands...

Wish I knew how to remedy it. Inside the keyer there are 4or 5 mini potentiometers; maybe one of them needs adjustment.

Thanks for all your help in the past. This is a great list!

Ken

_____
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883. Re: [TS-520_820_530_830] Keyer glitsch with TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-28 23:25:55 UTC
From: Mike
Topic: 882 Message: 883

It sounds like it could be RF getting into the keyer. When you key up on 15 and 10 do the panel lights on the radio get brighter? If the key cable to the keyer isn't shielded try switching to something that is, RG-174 works nicely. Also try winding the cable and any power cables (if the keyer needs it) into a choke near the keyer.

>I have noticed that my keyer works fine with my TS820S on 80, 40 & 20
>meters, but not on 15 or 10.
>
>What happens is that when I flip the send/receive switch to send and key
>eeither a dot or a dash the keyer "sticks" and the tone sustains until I
>switch the keyer off or flip the send/receive switch back down to receive.
>
>Does this sound like a keyer or a transceiver problem? I'm guessing keyer,
>but don't see why the same problem is not observed on the other bands...

884. Re: [TS-520_820_530_830] Keyer glitsch with TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-29 04:08:19 UTC
From: Bill
Topic: 882 Message: 884

Ken, it's just RFI to the keyer.. Radio Frequency
Interference!

Ferrite is your friend... Ferrite is your friend...
repeat after me.. Ferrite... mmmm Ferrite... mmmmmm

Get some of those clamp on ferrite thingies and start
putting them on cords and stuff until the garbage
stops.

bill

--- Ken Nellis <knellis@...> wrote:
> Hello!
>
> I have noticed that my keyer works fine with my
> TS820S on 80, 40 & 20
> meters, but not on 15 or 10.
>
> What happens is that when I flip the send/receive
> switch to send and key
> eeither a dot or a dash the keyer "sticks" and the
> tone sustains until I
> switch the keyer off or flip the send/receive switch
> back down to receive.
>
> Does this sound like a keyer or a transceiver
> problem? I'm guessing keyer,
> but don't see why the same problem is not observed
> on the other bands...
>
> Wish I knew how to remedy it. Inside the keyer
> there are 4or 5 mini
> potentiometers; maybe one of them needs adjustment.
>
> Thanks for all your help in the past. This is a
> great list!
>
> Ken
>
>

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885. Kenwood ts-820s help with dg-1

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-29 15:17:05 UTC
From: Gary
Topic: 885 Message: 885

The digital display works good until i try to use 28 thought 29.5 bands, then the display jumps from 25. in the display and moves up and down on frequency. Thank Gary

886. Re: [TS-520_820_530_830] Kenwood ts-820s help with dg-1

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-29 15:39:05 UTC
From: Bill
Topic: 885 Message: 886

Gary,
have you taken the PLL/VCO out of the rig and cleaned
the inter-board connectors yet?

takes time but it's not that hard.

b

--- Gary <kd4nsy@...> wrote:
> The digital display works good until i try to use 28
> thought 29.5
> bands, then the display jumps from 25. in the
> display and moves up
> and down on frequency. Thank Gary
>
>

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887. Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-29 22:56:46 UTC
From: Grant McDuling
Topic: 887 Message: 887

G'day Guys,

Whe tuning up my 520SE (I have a 20m dipole) according to the manual, this is where my dials end up:

Carrier 1.5
Drive 11 o'clock
Plate on the extreme edge of 14
load 11 0'clock

Trouble is, the needle then reads max on the ALC scale (ie right over way out of the ALC box) on TX. I believe I should readjust the Carrier down to just inside the ALC box on TX. Is that right? Or shopuld I let it go all the way over, as tuning by the manual would suggest?

73s
Grant
VK4JAZ

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[Non-text portions of this message have been removed]

888. ts 820 with problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-30 00:26:48 UTC
From: ka9vaa
Topic: 888 Message: 888

After using a 520 se for 25 years without any problem at all, I bid on a Working ts 820, Well I won or lost I guess. The vfo plug was missing, no problem, I had one, went to load up, turned it on and the meter went as far right as possible. Tried turning on in usb, lsb, cw and tune, same results, with the heater switch on or off it is the same. By flipping the send ☐ rec up and down the meter returns to zero. Ok, settings, meter rf- tune ☐send = zero on meter, alc ☐tune send=zero on meter. Oh, the ip reading is 60 mA. The car, drive, plate and load do not change anything.I tried all bands with the same results. Everything done with a 50-ohm dummy load. Has anyone any suggestions as to where to begin? I put in a new set of finales but no driver. I was assured it was a working rig.

Thank you for any ideas.

73

889. Re: [TS-520_820_530_830] ts 820 with problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-30 04:49:13 UTC
From: Bill
Topic: 888 Message: 889

May just be a dirty relay... that is what switches the
meter around in receive and transmit.
b

--- ka9vaa <ka9vaa@...> wrote:
> After using a 520 se for 25 years without any
> problem at all, I bid
> on a Working ts 820, Well I won or lost I guess. The
> vfo plug was
> missing, no problem, I had one, went to load up,
> turned it on and the
> meter went as far right as possible. Tried turning
> on in usb, lsb, cw
> and tune, same results, with the heater switch on or
> off it is the
> same. By flipping the send ? rec up and down the
> meter returns to
> zero. Ok, settings, meter rf- tune ?send = zero on
> meter, alc ?tune
> send=zero on meter. Oh, the ip reading is 60 mA. The
> car, drive,
> plate and load do not change anything.I tried all
> bands with the same
> results. Everything done with a 50-ohm dummy load.
> Has anyone any
> suggestions as to where to begin? I put in a new set
> of finales but
> no driver. I was assured it was a working rig.
>
> Thank you for any ideas.
>
> 73
>
>
>

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890. Re: [TS-520_820_530_830] ts 820 with problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-30 07:39:17 UTC
From: rwagner617@aol.com
Topic: 888 Message: 890

Double check RF gain is full clock wise

[Non-text portions of this message have been removed]

891. Re: [TS-520_820_530_830] ts 820 with problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-30 13:14:49 UTC
From: pscarr@juno.com
Topic: 888 Message: 891

I also have used TS-520xx rigs for years. When trouble occurs I always start with the power supply. There are several voltages, some very high (plate) and some low, 10-12 volts for control. With the HV switch in the off position check to see what voltages are present. If they are right you may have a bad T/R relay. The VOX board feeds the relay voltage and it's on top of the rig on the left side. Be sure that the fuse in the holder on the rear is the right size as the schematic calls out. If the fuse holds it's probably an open circuit. If the fuse blows then you have a short. I'd also recommend that you take the schematic to a copy store and have it enlarged several magnitude. It will make the work a lot easier! Then you can trace the power circuits with different color highlighters. If the trouble is in the HV line the electrolytic caps are probably leaking. Burgardt (sp)Electronics (ads in the QST) have HV caps. The ones I got were physically smaller but worked just fine. Hope this helps.
Best 72,73,

Peter Carr WW3O
State College, PA

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892. Re: [TS-520_820_530_830] Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-30 15:25:02 UTC
From: Bill
Topic: 887 Message: 892

The ALC scale is handy for tuning your driver stage;
it shows you the drive that you are applying to the
grids of the finals. All you want to do is peak it;
you don't care where the meter is, as long as the CAR
control keeps it on-scale. If your rig is in TUNE
mode, you won't hurt the finals even if they aren't
resonated yet.

Then switch to Ic or plate current, and dip your PLATE
control. this will resonate your final PA plate
circuit

Then switch to RF out on your meter, go to CW mode and
go for max output on PLATE and LOAD.

That's it!

b
--- Grant McDuling <grantmcduling@...> wrote:
> G'day Guys,
>
> Whe tuning up my 520SE (I have a 20m dipole)
> according to the manual, this is where my dials end
> up:
>
> Carrier 1.5
> Drive 11 o'clock
> Plate on the extreme edge of 14
> load 11 0'clock
>
> Trouble is, the needle then reads max on the ALC
> scale (ie right over way out of the ALC box) on TX.
> I believe I should readjust the Carrier down to just
> inside the ALC box on TX. Is that right? Or shopuld
> I let it go all the way over, as tuning by the
> manual would suggest?
>
> 73s
> Grant
> VK4JAZ
>
>
>
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893. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-31 20:49:41 UTC
From: Greg
Topic: 887 Message: 893

Can anyone tell me how much meter movement is NORMAL when in the TUNE switched mode? I realize it runs the rig in very low power, but my meter just hardly moves...maybe goes to about the 1 S unit level at the highest setting, but no more. And it only moves this musch when Meter switch is in the RF mode and tuned for maximum power...its even less movement, maybe 1/2 an S unit,when trying to dip it with switch in IP position. I thought this was too little meter movement,and this group told me to check for burnt reistor in the tune circuit, but another operator says that this is normal...is he correct, or should I be getting a lot more needle movement while in TUNE mode?
tnx!

In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
..... If your rig is in TUNE
> mode, you won't hurt the finals even if they aren't
> resonated yet.
>
> Then switch to Ic or plate current, and dip your PLATE
> control. this will resonate your final PA plate
> circuit
>
>
> Then switch to RF out on your meter, go to CW mode and
> go for max output on PLATE and LOAD.
>
> That's it!

894. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-10-31 21:06:41 UTC
From: Bill
Topic: 887 Message: 894

TUNE mode should give you about 50 watts out, maybe as
low as 35. What is the ALC meter doing?

b

--- Greg <va3vfo@...> wrote:
> Can anyone tell me how much meter movement is NORMAL
> when in the TUNE
> switched mode? I realize it runs the rig in very low
> power, but my
> meter just hardly moves...maybe goes to about the 1
> S unit level at
> the highest setting, but no more. And it only moves
> this musch when
> Meter switch is in the RF mode and tuned for maximum
> power...its even
> less movement, maybe 1/2 an S unit,when trying to
> dip it with switch
> in IP position. I thought this was too little meter
> movement,and this
> group told me to check for burnt reistor in the tune
> circuit, but
> another operator says that this is normal...is he
> correct, or should
> I be getting a lot more needle movement while in
> TUNE mode?
> tnx!
>
> In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...> wrote:
> ..... If your rig is in TUNE
> > mode, you won't hurt the finals even if they
> aren't
> > resonated yet.
> >
> > Then switch to Ic or plate current, and dip your
> PLATE
> > control. this will resonate your final PA plate
> > circuit
> >
> >
> > Then switch to RF out on your meter, go to CW mode
> and
> > go for max output on PLATE and LOAD.
> >

> > That's it!
>
>
>

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895. RE: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 01:17:45 UTC
From: David C. Williams
Topic: 887 Message: 895

I get the same thing with mine but found that by using the ALC setting in TUNE mode that I can effectively "dip" the plate by adjusting drive for max meter swing and both plate and load for lowest meter swing and everything seems to run fine (I check the settings using an SWR meter and everything looks ok - might can tweak a few more watts out using the SWR meter).

73's
KF4CQS
-----Original Message-----
From: Greg [mailto:va3vfo@...]
Sent: Friday, October 31, 2003 3:50 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Tune up question

Can anyone tell me how much meter movement is NORMAL when in the TUNE switched mode? I realize it runs the rig in very low power, but my meter just hardly moves...maybe goes to about the 1 S unit level at the highest setting, but no more. And it only moves this musch when Meter switch is in the RF mode and tuned for maximum power...its even less movement, maybe 1/2 an S unit,when trying to dip it with switch in IP position. I thought this was too little meter movement,and this group told me to check for burnt reistor in the tune circuit, but another operator says that this is normal...is he correct, or should I be getting a lot more needle movement while in TUNE mode?
tnx!

In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
..... If your rig is in TUNE
> mode, you won't hurt the finals even if they aren't
> resonated yet.
>
> Then switch to Ic or plate current, and dip your PLATE
> control. this will resonate your final PA plate
> circuit
>
>
> Then switch to RF out on your meter, go to CW mode and
> go for max output on PLATE and LOAD.
>
> That's it!

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896. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 01:40:42 UTC
From: greenmoldydonuts
Topic: 887 Message: 896

...and what's the problem with just watching the forward power on your watt meter and tuning up for maximum "smoke" (forward power)? That's the way I tune, then go back and check the ALC and turn down the drive until the ALC is at the bottom of the scale. If using sideband (either one), i then turn the drive down to minimum, and adjust the mic gain until the ALC just comes up a bit less that halfway up the scale on voice peaks. Have been given exceptional audio reports...and if I switch to CW, just bring up the drive again until it just bottoms out at the bottom of the ALC scale. Never a problem...and have the tubes forever...(20 years).
Bernie in ND
WD0GMD

--- In TS-520_820_530_830@yahoogroups.com, "David C. Williams" <kf4cqs@a...> wrote:
> I get the same thing with mine but found that by using the ALC setting in
> TUNE mode that I can effectively "dip" the plate by adjusting drive for max
> meter swing and both plate and load for lowest meter swing and everything
> seems to run fine (I check the settings using an SWR meter and everything
> looks ok - might can tweak a few more watts out using the SWR meter).
>
> 73's
> KF4CQS
> -----Original Message-----
> From: Greg [mailto:va3vfo@r...]
> Sent: Friday, October 31, 2003 3:50 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: Tune up question
>
>
> Can anyone tell me how much meter movement is NORMAL when in the TUNE
> switched mode? I realize it runs the rig in very low power, but my
> meter just hardly moves...maybe goes to about the 1 S unit level at
> the highest setting, but no more. And it only moves this musch when
> Meter switch is in the RF mode and tuned for maximum power...its even

> less movement, maybe 1/2 an S unit,when trying to dip it with
switch
> in IP position. I thought this was too little meter movement,and
this
> group told me to check for burnt reistor in the tune circuit, but
> another operator says that this is normal...is he correct, or
should
> I be getting a lot more needle movement while in TUNE mode?
> tnx!
>
> In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> ..... If your rig is in TUNE
> > mode, you won't hurt the finals even if they aren't
> > resonated yet.
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> > Then switch to Ic or plate current, and dip your PLATE
> > control. this will resonate your final PA plate
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> >
> >
> > Then switch to RF out on your meter, go to CW mode and
> > go for max output on PLATE and LOAD.
> >
> > That's it!
>
>
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>
> [Non-text portions of this message have been removed]

897. TS-830S Sidetone Osc Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 15:28:36 UTC
From: w2aew
Topic: 897 Message: 897

I finally got around to working on my sidetone oscillator problem on the TS-830S. Originally, it didn't work at all. Now its working, but I have a NEW problem with it.

The fix: I checked the usual semiconductors (AF board, Q1, D1, etc.), and they were OK. The problem was traced to the STE signal (connector 2, pin 5). This line is grounded via the mode switch when in the CW.W and CW.N position. When grounded, it enables the bias on the oscillator transistor Q1. The problem was that this line was broken off at the mode switch. Ah-ha, I fixed it - or so I thought.

The NEW problem: With the STE line re-connected to the mode switch, the sidetone oscillator now works! But, there's a new, weird problem. Now, whenever I insert the 1/4" plug into the KEY jack, the sidetone oscillator comes on (in CW mode). This happens even if an "empty" 1/4" plug is inserted. NOW, here's the WEIRD part. The open-circuit voltage on the key is about -60V (as usual). If I "short" the key contacts with my sweaty fingers and drop the voltage to about -35V or so, then the oscillator turns off, and operates NORMALLY with the key.

Any ideas from anyone?

Thanks in advance,
Alan W2AEW

898. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 19:34:23 UTC
From: Alan W.
Topic: 887 Message: 898

This info is based on my TS-830, but the other models are similar. Assuming that you have the PLATE knob in the right position for the band...

On TUNE, my TS-830 shows 15 to 20 watts out when I peak the DRIVE knob. With the meter switch set to IP, the needle is at the 90 mA position (which is about the S3 to S4 position).

If you don't get much reaction from your DRIVE knob, switch the meter to ALC, and make sure that on TUNE the needle goes somewhere in the marked ALC range (mid or lower half of the range is fine). If not, increase the CAR knob until it does. The CAR setting may change from band to band.

See if the IP meter is now giving you a better peak when you adjust the DRIVE.

899. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 19:59:52 UTC
From: Greg
Topic: 887 Message: 899

To all who replied to my follow up question abt the TUNE MODE problem I am having, TNX!! I ment to tell you all that Turning UP the CAR Does NOT make any diffence in the low TUNE needle movement I am getting.. but ALC readings are OK.

So,now to Answer All UR Questions:

TO Bill, K0ZL: In the TUNE mode, I am getting only 1/4 watt output on an outboard Power meter, when the rig has been properly tuned using my usual method of tuning for max somke. Also note that, the ALC DOES work in the TUNE mode and I get full meter swing as I adjust the DRIVE Control.

TO Daveview1975: KF4CQS, Ur method of disregarding the low TUNE reading and using the ALC readings only in TUNE Mode, does not not seem to work well for me as there is far too much "play " in the knob settings to corresponde to a good tune up, when compared with a tune up for max. smoke and matching low Ip dip reading.

TO Greenmoldy: Nothing is wrong with ur idea of using a power meter and tuning for max smoke, and this is how I have been tuning..however I start in CW Mode, with the CAR set low, for abt 5 watts out in order to reduce QRM , and peek power out. Then I touch it up with CAR set higher to get abt 100-105 Watts out.

It would be nice, however, to use the TUNE mode, as intended by Kenwood and would like to make sure the TS820S is working correctly in the TUNE mode. Obviously, because in TUNE mode, I only get 1/4 watts out, there is something wronge with the circuit. (even with CAR turned up)

TO NJ1F: I have never heard of ur method of turning down the DRIVE to get the ALC reading to the bottom of the scale, after peaking it for tune up. I was always taught to adjust the DRIVE for a MAX meter reading and to leave it there. I then use only the MIC to adjust the ALC for just a moderate needle swing, and of corse never beyond the top of the ALC scale (when using SSB).
I am only getting 1/4 watt output in TUNE mode when I peak the DRIVE knob. Adjusting it will only reduce the meter reading from about 10mA (the maximum IP reading I get, while in TUNE MODE) to zero scale deflection.

This Small meter movement is just barly enough to do a tuneup in the TUNE mode, and I can do it, (i.e., it does correspond to a low IP dip and max RF out when comapred to a tuneup in CW mode) but it is not easy to do, especailly depending on the band, nor does it appear to be the way the factory designed or intended it to read/work.

Hope this covers everyones questions...sound like there is something wrong, by virtue of the fact that in TUNE mode, with CAR turned up, I am only getting 1/4 Watt out, were as abt 50 W is norm. And yet the ALC function of peeking the DRIVE setting works fine inthe TUNE mode....Please note that tuning up in the CW mode works fine and all controls and meter readings are as they should be.

Now it ur turn again!
tnx es 73
Greg

--- In TS-520_820_530_830@yahoogroups.com, "Greg" <va3vfo@r...> wrote:
> Can anyone tell me how much meter movement is NORMAL when in the TUNE
> switched mode? I realize it runs the rig in very low power, but my
> meter just hardly moves...maybe goes to about the 1 S unit level at
> the highest setting, but no more. And it only moves this musch when
> Meter switch is in the RF mode and tuned for maximum power...its even
> less movement, maybe 1/2 an S unit,when trying to dip it with switch
> in IP position. I thought this was too little meter movement,and this
> group told me to check for burnt reistor in the tune circuit, but
> another operator says that this is normal...is he correct, or should
> I be getting a lot more needle movement while in TUNE mode?
> tnx!
>

900. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 20:35:53 UTC
From: Greg
Topic: 887 Message: 900

NJ1F...sri, I got my answer to you partly mixed up with my answer intended for "Greenmoldy". It was Greenmoldys recomondation that the Drive be turned down after peaking it for ALC......BTW, Greenmoldy', I also get excellent, unsolicited audio reports....that the TS820 is a nice sounding rig probably has something to do with it too! I will, however,look into ur recommondatin of tuning up the DRIVE your way (It is just very different from any method I have ever heard of, but think I understand what u are trying to accomplish, maybe Bill can comment under a NEW posting about your method)

To NJ1F, I hope I answered ur question ..my IP and power out in the TUNE mode is too low compared to ur readings. Using the DRIVE and CAR does affect the scale of the ALC reading in TUNE MODE, and I realize that the actual nominal ALC reading isnt important, as long as its peaked...tnx.

> TO Greenmoldy: Nothing is wrong with ur idea of using a power meter
> and tuning for max smoke, and this is how I have been
tuning..however
> I start in CW Mode, with the CAR set low, for abt 5 watts out in
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901. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-02 21:18:33 UTC
From: Bill
Topic: 887 Message: 901

Watt (sorry) is your plate current in TUNE mode and
can you get a dip? How much of a dip?

I am thinkning your plate tank circuit switch and the
rest of the bandswitch are out of mechanical sync!!!

Don't laugh, had one like that here while back... used
the dip meter to find the right position for the
switch, was about 90 degrees off from rest of the
system. The coupling had slipped.

bill

--- Greg <va3vfo@...> wrote:
> To all who replied to my follow up question abt the
> TUNE MODE problem
> I am having, TNX!! I ment to tell you all that
> Turning UP the CAR
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> movement I am
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902. Quick Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 00:58:37 UTC
From: A. Nelson
Topic: 902 Message: 902

Hello all...A while back i purchased a used TS-520s and let me say i hope i have it forever. My question is this: when i got the radio home i noticed it had been modified for 11 meter operation by changing of the 3 10 meter crystals. I have since changed those back and the radio functions on 10 now, but the sensitivity appears low. Is there any other adjustment i should make to peak the receive a bit? Thanks for reading.

Art WB9HNJ

903. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 05:08:50 UTC
From: Greg
Topic: 887 Message: 903

OK Bill, here's some more info for your brave soul....
(If I understand what u are saying, I dont think there is a PLATE alinment problem as the problem is the same regardless of where the PLATE knob is adjusted..a 360 degree spin, and still no movement on the IP meter position) but I sure am not a pro, so I'll leave it up to ur insight!

1. In the TUNE mode, when ALC is peaked and meter is in the ALC position, I then get a reading of 300mA after "dipping" the Plate knob......In the CW mode, the reading is at abt 160mA after dipping, and again, the plate knob is in the proper position indicating the band used (75 metres)....I realize the "number value" of these readings are not important, only their "magnatude" or relative values.

2. Here's the same info as above, but this time with meter switch in the IP position (not in ALC position): In the TUNE mode, I get NO, or miniscule meter movement as I turn the PLATE knob, at least in the 75M band...(I think I do get a LITTLE meter movement(moves from 0 up to 5 or 10mA) on higher bands though). The meter shows abt 10mA, regardless of the CAR setting on high, or the PLATE knob setting position. On some bands, it will "tune down" to 0 mA (down from abt 10 mA) and that amont of movment is all the dip I can get. (It cant go any lower than zero ,hi,hi)

In the CW mode, (rather than the TUNE mode), again with the meter in the IP position, I can dip down to 220Ma, and the meter seems to work fine. As I turn the PLATE knob, the meter, indicating IP, will go from a high reading of abt 320mA, down to 220mA and does so at the proper band position on the PLATE dial.

All the meter switches and band switchs seem to feel ok and dont rotate past the correct indication markings, so perhaps you mean that the waffers themselves may be out of alignment inside the rig?
You would think that if so, it would creat problems with the readings when I am in the CW mode or tuning up using the RF meter postion, but all seems ok, including by HV readings etc.

You once suggested a burnt out resistor in the TUNE curcuit, which is preventing the tune power from being higher...I was going to check this, until I was told by a very trust worthy TS-830 user that this "TUNE behaviour" is completely normal and that is how his rig acts as well...perhaps he misunderstood me.

I can use the meter in the ALC position, and dip it, (while in the TUNE mode), but it doesnt seem accurate enough and it still doesnt

address the low TUNE power output reading on my outboard power meter.

Does this info help and should I stick to your previous advice of
long ago, when u suggested checking for a bad resitors between the
TUNE switch and tube section?

Finally, with the meter in the RF postition, in TUNE, I get maybe a
little more meter movement than when in IP meter position. It shows
maybe from 0S units, up to the 1S unit postion at its most "maximum"
indication and this coresponds to max power output as I dip the plate
knob...so even thought the meter hardly moves, I can use this to get
me close...

In CW mode, RF meter position gives me a good full meter swing that,
as the PLATE knob is dipped to the correct band postion, correrponds
to an IP dip. (Rig seems to be neutralized ok)

Too much Information? Hope this clears up all the possible situations.
TNX AGN ES 73
Greg

-- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
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> can you get a dip? How much of a dip?
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904. Re: [TS-520_820_530_830] Quick Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 13:53:35 UTC
From: Bill
Topic: 902 Message: 904

Hi Art.

On the RF unit there are several cans for ten meters that may need peaking.

Take off the top cover; find a good plastic tool that will fit the smaller cores in the small silver cans.

Find another plastic tool that will just fit the open coil cores at the back, near the PA cage. These are the driver plate coils.

Put it on ten, receive mode. Rig hooked to dummy load. Turn on the calibrator and find a sig at 28.400 mhz. Watch the s meter. Set the preselector control to about 12 o'clock.

Carefully tune the front and middle coils that are marked 10 on the PC board, under the bandswitch shaft. Bright light is a big help! You will be tuning for maximum audio, or max S meter reading on the CAL signal.

If that works (you should see s6 to s9+ on the calibrator), then go into TUNE mode with car control full CW (max). Switch to ALC on the meter; if you have a reading, go to step 2.

1. if no ALC reading, switch to PLATE. See that in TUNE mode, CAR full CW, in TX mode, plate comes off the left peg. Leaving the PRESELECT control where it was for RX, carefully tune the 10M coil near the back for max plate reading. At the point where plate current doesn't appear to increase any more (about 120-150 mills at resonance), switch to ALC. If you have ALC reading now, go to step 2.

2. Continue tuning that driver plate coil for max ALC reading.

All this should take less than ten seconds. YOu are in tune mode so no damage will occur to the tubes.

Switch to CW mode, TX, tune PLATE and LOAD controls for "max smoke" to the dummy load.

You should see at least 75 watts out on ten, hopefully more like 90-110. To check the receive, hooking up an

outside antenna should increase noise in the receiver
a bit. Local noise sources should be sufficient to
check the receiver, even if the band is not open.
Which, by the way, it is today.

73!

Bill

--- "A. Nelson" <wb9hnj@...> wrote:
> Hello all...A while back i purchased a used TS-520s
> and let me say i
> hope i have it forever. My question is this: when i
> got the radio
> home i noticed it had been modified for 11 meter
> operation by
> changing of the 3 10 meter crystals. I have since
> changed those back
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905. TS520 - Very Low or No Power on 10 ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 14:13:39 UTC
From: Werner, Klaus
Topic: 905 Message: 905

Hi,
During CQWW SSB I was hoping to work some stations on 10m, however found that tuning up was useless, i.e. on about 28.4 MHz on DRIVE/ALC got no needle movement, on PLATE/IP and PLATE/LOAD/RF very little needle movement. On setting USB/IP I got the recommended 60mA (also on all other bands). Also no mic gain indication.
However, being an optimist, I started calling anyway and managed to work a few stations - watching the external power meter it looked like about 5 to 10w, however, it was still hard work, perhaps the modulation wasn't that good - but couldn't get reports of course.
Haven't looked at 10 again since the contest weekend and write this from memory. Does this sound familiar to somebody? Where should I start checking - I have the service manual - but am not a techie ...
Thanks & 73
Klaus
G7RTI
High Wycombe/UK

906. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 14:22:03 UTC
From: Bill
Topic: 887 Message: 906

RF power is not making it to the antenna. All else is
OK. Look for a bad connection between the tank circuit
and the antenna t/r relay.

b

--- Greg <va3vfo@...> wrote:
> OK Bill, here's some more info for your brave
> soul....
> (If I understand what u are saying, I dont think
> there is a PLATE
> alinment problem as the problem is the same
> regardless of where the
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> the IP meter position) but I sure am not a pro, so
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>
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> TUNE mode), but it doesnt seem accurate enough and
> it still doesnt
> address the low TUNE power output reading on my
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> Too much Information? Hope this clears up all the
> possible situations.
> TNX AGN ES 73
> Greg
>
>
>
>
>
>
>
>
>
>
> -- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...> wrote:
> > Watt (sorry) is your plate current in TUNE mode
> and
> > can you get a dip? How much of a dip?
> >
> > I am thinkning your plate tank circuit switch and
> the
> > rest of the bandswitch are out of mechanical
> sync!!!
> >
> > Don't laugh, had one like that here while back...
> used
> > the dip meter to find the right position for the
> > switch, was about 90 degrees off from rest of the
> > system. The coupling had slipped.
> >

> > bill
> >
> > --- Greg <va3vfo@r...> wrote:
> > > To all who replied to my follow up question abt
> the
> > > TUNE MODE problem
> > > I am having, TNX!! I ment to tell you all that
> > > Turning UP the CAR
> > > Does NOT make any diffence in the low TUNE
> needle
> > > movement I am
> > > getting.. but ALC readings are OK.
> > >
> > > So,now to Answer All UR Questions:
> > >
> > > TO Bill, K0ZL: In the TUNE mode, I am getting
> only
> > > 1/4 watt output on
> > > an outboard Power meter, when the rig has been
> > > properly tuned using
> > > my usual method of tuning for max somke. Also
> note
> > > that, the ALC DOES
> > > work in the TUNE mode and I get full meter swing
> as
> > > I adjust the
> > > DRIVE Control.
> > >
> > > TO Daveview1975: KF4CQS, Ur method of
> disregarding
> > > the low TUNE
> > > reading and using the ALC readings only in TUNE
> > > Mode, does not not
> > > seem to work well for me as there is far too
> much
> > > "play " in the knob
> > > settings to corresponde to a good tune up, when
> > > compared with a tune
> > > up for max. smoke and matching low Ip dip
> reading.
> > >
> > > TO Greenmoldy: Nothing is wrong with ur idea of
> > > using a power meter
> > > and tuning for max smoke, and this is how I have
> > > been tuning..however
> > > I start in CW Mode, with the CAR set low, for
> abt 5
> > > watts out in
> > > order to reduce QRM , and peek power out. Then I
> > > touch it up with CAR

> > > set higher to get abt 100-105 Watts out.
> > >
> > > It would be nice, however, to use the TUNE mode,
> as
> > > intended by
> > > Kenwood and would like to make sure the TS820S
> is
> > > working correctly
> > > in the TUNE mode. Obviously, because in TUNE
> mode, I
> > > only get 1/4
> > > watts out, there is something wronge with the
> > > circuit. (even with CAR
>
=== message truncated ===

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907. Re: [TS-520_820_530_830] TS520 - Very Low or No Power on 10 ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 15:09:36 UTC
From: pscarr@juno.com
Topic: 905 Message: 907

Good morning. The 10M issue has been a problem for years. I have two TS-520 rigs. I tried changing the driver tube and that improved the output some. I also cleaned the bandswitch with contact cleaner and that helped a lot. To start, try turning the bandswitch from one end to the other several times then settle on 10M. If you get no meter indication try tuning up on 15M. The settings are nearly the same as 10M. Finally, if nothing else, try tuning up using the external wattmeter. I get about 25 watts in tune position on 10M and about 55 watts CW. From what I hear that's about normal.
GL & 72,73,

Pete Carr WW3O
State College, PA

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908. Re: Quick Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 15:14:13 UTC
From: A. Nelson
Topic: 902 Message: 908

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> Hi Art.
>
> On the RF unit there are several cans for ten meters
> that may need peaking.
>
> Take off the top cover; find a good plastic tool that
> will fit the smaller cores in the small silver cans.
>
> Find another plastic tool that will just fit the open
> coil cores at the back, near the PA cage. These are
> the driver plate coils.
>
> Put it on ten, receive mode. Rig hooked to dummy load.
> Turn on the calibrator and find a sig at 28.400 mhz.
> Watch the s meter. Set the preselector control to
> about 12 o'clock.
>
> Carefully tune the front and middle coils that are
> marked 10 on the PC board, under the bandswitch shaft.
> Bright light is a big help! You will be tuning for
> maximum audio, or max S meter reading on the CAL
> signal.
>
> If that works (you should see s6 to s9+ on the
> calibrator), then go into TUNE mode with car control
> full CW (max). Switch to ALC on the meter; if you
> have a reading, go to step 2.
>
> 1. if no ALC reading, switch to PLATE. See that in
> TUNE mode, CAR full CW, in TX mode, plate comes off
> the left peg. Leaving the PRESELECT control where it
> was for RX, carefully tune the 10M coil near the back
> for max plate reading. At the point where plate
> current doesn't appear to increase any more (about
> 120-150 mills at resonance), switch to ALC. If you
> have ALC reading now, go to step 2.
>
> 2. Continue tuning that driver plate coil for max ALC
> reading.
>
> All this should take less than ten seconds. YOu are in
> tune mode so no damage will occur to the tubes.
>

> Switch to CW mode, TX, tune PLATE and LOAD controls
> for "max smoke" to the dummy load.
>
> You should see at least 75 watts out on ten, hopefully
> more like 90-110. To check the receive, hooking up an
> outside antenna should increase noise in the receiver
> a bit. Local noise sources should be sufficient to
> check the receiver, even if the band is not open.
> Which, by the way, it is today.
>
> 73!
>
> Bill

Ill give that a try during the winter cold heheheh...thanks Bill!!!

73! Art

909. Re: [TS-520_820_530_830] TS520 - Very Low or No Power on 10 ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-03 18:15:05 UTC
From: Bill
Topic: 905 Message: 909

You should be seeing from 75 to 110 watts with good
tubes, CW mode, ten meters. If not, and you are
getting good alc action on voice peaks, I would check
the screen voltage to the finals... it may be a little
low.

73,

Bill K0ZL

--- pscarr@... wrote:
>
> Good morning. The 10M issue has been a problem for
> years. I have two TS-520 rigs. I tried changing the
> driver tube and that improved the output some. I
> also cleaned the bandswitch with contact cleaner and
> that helped a lot. To start, try turning the
> bandswitch from one end to the other several times
> then settle on 10M. If you get no meter indication
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> in tune position on 10M and about 55 watts CW. From
> what I hear that's about normal.
> GL & 72,73,
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910. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-04 07:36:26 UTC
From: Greg
Topic: 887 Message: 910

TNX for ur help Bill...I will look at the schematic and rig...I guess the circuit for measuring the IP in TUNE mode, and displaying it on the rigs meter, is somewhere in or after the tank circuit to antenna t/r relay? (as well as displaying the relative RF on the rigs meter in TUNE mode)
Just to confirm; with the "correct" TUNE RF power (aprox 50 W at the rigs output) going from the tank to antenna relay (and on to the antenna output), I should be getting abt 40 - 60 mA when using the TUNE mode, not the 2-5mA ? (which is the most I can get)

SRI to beat this to death,I had a head injury a few years ago and sometimes miss the obvious or misunderstand the simpler things.

UR statement.."all else looks ok" just threw me off a little.

thanks for ur patience.
73

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> RF power is not making it to the antenna. All else is
> OK. Look for a bad connection between the tank circuit
> and the antenna t/r relay.
>
> b
>
> --- Greg <va3vfo@r...> wrote:
> > OK Bill, here's some more info for your brave
> > soul....
> > (If I understand what u are saying, I dont think
> > there is a PLATE
> > alinment problem as the problem is the same
> > regardless of where the
> > PLATE knob is adjusted..a 360 degree spin, and still
> > no movement on
> > the IP meter position) but I sure am not a pro, so
> > I'll leave it up
> > to ur insight!
> >
> > 1. In the TUNE mode, when ALC is peaked and meter is
> > in the ALC
> > position, I then get a reading of 300mA after
> > "dipping" the Plate
> > knob......In the CW mode, the reading is at abt
> > 160mA after dipping,
> > and again, the plate knob is in the proper position

> > indicating the
> > band used (75 metres)....I realize the "number
> > value" of these
> > readings are not important, only their "magnatude"
> > or relative
> > values.
> >
> > 2. Here's the same info as above, but this time with
> > meter switch in
> > the IP position (not in ALC position): In the TUNE
> > mode, I get NO, or
> > miniscule meter movement as I turn the PLATE knob,
> > at least in the
> > 75M band...(I think I do get a LITTLE meter
> > movement(moves from 0 up
> > to 5 or 10mA) on higher bands though). The meter
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> > In the CW mode, (rather than the TUNE mode), again
> > with the meter in
> > the IP position, I can dip down to 220Ma, and the
> > meter seems to work
> > fine. As I turn the PLATE knob, the meter,
> > indicating IP, will go
> > from a high reading of abt 320mA, down to 220mA and
> > does so at the
> > proper band position on the PLATE dial.
> >
> > All the meter switches and band switchs seem to feel
> > ok and dont
> > rotate past the correct indication markings, so
> > perhaps you mean that
> > the waffers themselves may be out of alignment
> > inside the rig?
> > You would think that if so, it would creat problems
> > with the readings
> > when I am in the CW mode or tuning up using the RF
> > meter postion, but
> > all seems ok, including by HV readings etc.
> >
> > You once suggested a burnt out resistor in the TUNE
> > curcuit, which is
> > preventing the tune power from being higher...I was

> > going to check
> > this, until I was told by a very trust worthy TS-830
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> > Too much Information? Hope this clears up all the
> > possible situations.
> > TNX AGN ES 73
> > Greg
> >

911. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-04 13:47:13 UTC
From: Bill
Topic: 887 Message: 911

Ip is plate current. There is a cathode resistor in the tube cathode lines, leading to ground. As plate current increases, the voltage drop across the resistor(s) increase. This is what is sent to the meter as Ip.

Ip should "dip" as you tune the plate turning control through resonance. The amount of the dip depends on the setting of the "load" control.

The plate tuning and load controls are part of a "pi" matching network between the antenna and the tubes.

Tubes like a high impedance; antennas are low impedance; so you have to provide a transforming action of sorts to get any power transfer.

The "pi" network accomplishes this. As you tune the "TUNE" control and find the resonance, you are locating the point that the tubes "like" to operate into the pi network. As you rotate the LOAD control, you affect how the pi network "sees" the antenna.

At the point you achieve about a ten percent dip in plate current, your match to the antenna thru the LOAD control will be about right. The LOAD control controls how much "dip" you will get, when tuning into an antenna or dummy load.

Now... if you are seeing a good amount of plate current, and a good "dip", but no output or very little output, that tells me there is no good connection from the pi network to the antenna. We either have a burned or damaged component or a broken connection, or a bad relay, or something.

I assume the radio is receiving well, no?

bill

--- Greg <va3vfo@...> wrote:
> TNX for ur help Bill...I will look at the schematic
> and rig...I guess
> the circuit for measuring the IP in TUNE mode, and
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>
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912. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-04 17:36:39 UTC
From: Greg
Topic: 887 Message: 912

TNX agn for ur excelent and detailed explaination of how the Ip info is sent to the meter etc...I have a pretty good handle on how the Pi network works etc, but what is throwing off my understanding is, where is the difference between how the system works when tuning up in the "CW MODE", and tuning up in the "TUNE MODE" (e.g. a simple resistor to run less current to the cathode?)....I do get good dip and lots of RF and everthing is fine in the CW MODE, but no dip or RF in the TUNE MODE.
The problem isnt when trying to dip using the PLATE Knob (or "Tune" as it is sometimes called), it is when I use the "TUNE" setting on the MODE switch I am not getting enough RF to generate a dip.

Your last paragraph asking abt good dip etc, is where the problem is...(but only when the MODE switch is in TUNE position)...when in "TUNE" MODE, I get no meter movement or RF out (or at least, very little..see my previous posts).BUT, I DO get good dip etc when tuning up with the MODE switch in CW, rather than TUNE. SO , I will look for something wrong from the TUNE switch and onward to the Cathode area and t/r switch etc as you suggest. I will at lest look for the obvious burt resistor, esp in the Cathode line and from the TUNE postion of the MODE switch onward.

And yes, the recv is working Great, regardless of whcich MODE I am in.(Including TUNE MODE)

Thanks for all ur help everyone, esp to BILL...I am glad to find out that there is a problem and the TUNE MODE is not, in fact working correctly, contrary to what I was told.
73

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
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> the tube cathode lines, leading to ground. As plate
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> resistor(s) increase. This is what is sent to the
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> either have a burned or damaged component or a broken
> connection, or a bad relay, or something.
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> I assume the radio is receiving well, no?
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> bill

913. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-04 17:45:15 UTC
From: Bill
Topic: 887 Message: 913

OK gotcha.

All TUNE mode does is drop the screen voltage on the finals from around 270 volts or so down to about 170 volts; this protects the plates from melting down if something goes wrong. I would look at the screen voltage and make sure the voltage divider on the RECT unit is OK.

bill

--- Greg <va3vfo@...> wrote:
> TNX agn for ur excelent and detailed explaination of
> how the Ip info
> is sent to the meter etc...I have a pretty good
> handle on how the Pi
> network works etc, but what is throwing off my
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> but no dip or RF
> in the TUNE MODE.
> The problem isnt when trying to dip using the PLATE
> Knob (or "Tune"
> as it is sometimes called), it is when I use the
> "TUNE" setting on
> the MODE switch I am not getting enough RF to
> generate a dip.
>
> Your last paragraph asking abt good dip etc, is
> where the problem
> is...(but only when the MODE switch is in TUNE
> position)...when
> in "TUNE" MODE, I get no meter movement or RF out
> (or at least, very
> little..see my previous posts).BUT, I DO get good
> dip etc when tuning
> up with the MODE switch in CW, rather than TUNE. SO
> , I will look for
> something wrong from the TUNE switch and onward to
> the Cathode area

> and t/r switch etc as you suggest. I will at lest
> look for the
> obvious burt resistor, esp in the Cathode line and
> from the TUNE
> postion of the MODE switch onward.
>
> And yes, the recv is working Great, regardless of
> whcich MODE I am
> in.(Including TUNE MODE)
>
> Thanks for all ur help everyone, esp to BILL...I am
> glad to find out
> that there is a problem and the TUNE MODE is not, in
> fact working
> correctly, contrary to what I was told.
> 73
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Ip is plate current. There is a cathode resistor
> in
> > the tube cathode lines, leading to ground. As
> plate
> > current increases, the voltage drop across the
> > resistor(s) increase. This is what is sent to the
> > meter as Ip.
> >
> > Ip should "dip" as you tune the plate turning
> control
> > through resonance. The amount of the dip depends
> on
> > the setting of the "load" control.
> >
> > The plate tuning and load controls are part of a
> "pi"
> > matching network between the antenna and the
> tubes.
> >
> > Tubes like a high impedance; antennas are low
> > impedance; so you have to provide a transforming
> > action of sorts to get any power transfer.
> >
> > The "pi" network accomplishes this. As you tune
> the
> > "TUNE" control and find the resonance, you are
> > locating the point that the tubes "like" to
> operate
> > into the pi network. As you rotate the LOAD

> control,
> > you affect how the pi network "sees" the antenna.
>
> >
> > At the point you achieve about a ten percent dip
> in
> > plate current, your match to the antenna thru the
> LOAD
> > control will be about right. The LOAD control
> > controls how much "dip" you will get, when tuning
> into
> > an antenna or dummy load.
> >
> > Now... if you are seeing a good amount of plate
> > current, and a good "dip", but no output or very
> > little output, that tells me there is no good
> > connection from the pi network to the antenna. We
> > either have a burned or damaged component or a
> broken
> > connection, or a bad relay, or something.
> >
> > I assume the radio is receiving well, no?
> >
> > bill
>
>
>

=====

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914. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-05 04:44:34 UTC
From: Greg
Topic: 887 Message: 914

Thanks Bill.....thats exactly the info I was looking for...I'll
report to the Group my findings!
73 and tnx for ur help

- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> OK gotcha.
>
> All TUNE mode does is drop the screen voltage on the
> finals from around 270 volts or so down to about 170
> volts; this protects the plates from melting down if
> something goes wrong. I would look at the screen
> voltage and make sure the voltage divider on the RECT
> unit is OK.
>
> bill

915. Re: TS520 - Very Low or No Power on 10 ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-05 10:34:33 UTC
From: Werner, Klaus
Topic: 905 Message: 915

Hi Folks,
turned the band switch a few times and now find I get reasonable
meter indication when tuning up. However, no ALC indication when
I key up the mic on SSB (I got a hand key somewhere as well ....).
The external meter tells me I am getting up to 100w on a medium
MIC/DX setting. Need to check out what the modulation sounds like.
73 Klaus G7RTI

916. Re: [TS-520_820_530_830] Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-05 14:54:09 UTC
From: Bill
Topic: 887 Message: 916

By the way, did you know that the SG switch on the
back can be switched OFF to prevent transmission? I
call it the "grandkids" switch. Will save finals,
face, and power transformers if they are running
around unsupervised for some reason.

bill

--- Greg <va3vfo@...> wrote:
> Thanks Bill.....thats exactly the info I was looking
> for...I'll
> report to the Group my findings!
> 73 and tnx for ur help
>
> - In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...> wrote:
> > OK gotcha.
> >
> > All TUNE mode does is drop the screen voltage on
> the
> > finals from around 270 volts or so down to about
> 170
> > volts; this protects the plates from melting down
> if
> > something goes wrong. I would look at the screen
> > voltage and make sure the voltage divider on the
> RECT
> > unit is OK.
> >
> > bill
>
>
>

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917. Re: [TS-520_820_530_830] Re: TS520 - Very Low or No Power on 10 ???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-05 15:13:05 UTC
From: Bill
Topic: 905 Message: 917

Klaus, ALC works off of grid overdrive, believe it or not (this is not a bad thing; when a tetrode or pentode starts to draw grid current, it's an indication that you are near the maximum rating of the tube in those conditions and it will soon flat-top on you; therefore, a small amount of grid current can be used to control the gain of previous stages, to reduce drive, until the overdrive condition disappears (as between syllables!).

If your driving stages have insufficient gain, you can still see 100w but no ALC voltage. This just indicates a need for alignment or a weak 12BY7.

bill
--- "Werner, Klaus" <klaus.werner@...>
wrote:
> Hi Folks,
> turned the band switch a few times and now find I
> get reasonable
> meter indication when tuning up. However, no ALC
> indication when
> I key up the mic on SSB (I got a hand key somewhere
> as well ....).
> The external meter tells me I am getting up to 100w
> on a medium
> MIC/DX setting. Need to check out what the
> modulation sounds like.
> 73 Klaus G7RTI
>

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918. Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-06 05:34:59 UTC
From: kmbadlose
Topic: 918 Message: 918

Me again;

The journey into building my first (useful) electronic circuit continues. I have built the interface from the following website...

http://www.mixw.net/hardcon.htm (the DB9 one near the top of the page)

to run digital modes on the TS-520. The PTT part of the circuit works perfectly but I can't seem to get the CW half to work. It is the identical circuit to the PTT one. At the end, I am going from the
collector of the transistor to the center wire of my CW cable and the ground (emitter end) is going to the other wire. When I attach (even just the center wire) to the circuit, I get a continuous tone on CW (that's with or without the DB9 even attached)

Does this CW circuit not work on the 520, or is there something I'm doing extremely wrong.

As usual, any thoughts or suggestions about this would be greatly appreciated.

Pete
VE3BHP

919. Re: [TS-520_820_530_830] Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-06 15:15:04 UTC
From: w2aew@arrl.net
Topic: 918 Message: 919

The CW portion doesn't work because the TS-520 uses grid-block keying for CW. This means that the open-circuit voltage present at the key is about -60V or so. The circuit shown in the schematic is designed for modern rigs which have a smaller, POSITIVE open circuit voltage at the key. When you connect the circuit as shown, you are saturating the 2N4401 by forward biasing the base-collector junction, which pulls the key line near ground, keying the rig regardless of the state of the DTR pin. Here's an idea (off the top of my head) that should work: 1. Remove the 2N4401 transistor 2. Install a PNP transistor, such as 2N6730 as follows: Base to Ground Emitter to junction of 2.2K, 10K, diode cathode Collector to CW KEY Note that the transistor used is not too critical, except - it must be PNP and it must have a Vceo rating that is greater than the open-circuit key voltage. So, measure your open circuit voltage (voltage across the key when not keyed down). Be careful, the voltage will be negative (i.e. connect the positive lead of your voltmeter to ground, and the negative to CW KEY). The transistor's Vceo spec should exceed this measured voltage by as much as possible. Quoting kmbadlose : > > > > > Me again;
>
> The journey into building my first (useful) electronic circuit
> continues. I have built the interface from the following website... >
>
> href="http://www.mixw.net/hardcon.htm">http://www.mixw.net/hardcon.htm ; > (the DB9 one near the top of the
> page)
>
> to run digital modes on the TS-520. The PTT part of the circuit
> works perfectly but I can't seem to get the CW half to work. It is >
> the identical circuit to the PTT one. At the end, I am going from
> the
> collector of the transistor to the center wire of my CW cable and the
> ground (emitter end) is going to the other wire. When I attach (even >
> just the center wire) to the circuit, I get a continuous tone on CW >
> (that's with or without the DB9 even attached)
>
> Does this CW circuit not work on the 520, or is there something I'm
> doing extremely wrong.
>
> As usual, any thoughts or suggestions about this would be greatly
> appreciated.
>
> Pete
> VE3BHP
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23&partid=4116730" > alt="">
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920. Re: Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-06 19:15:40 UTC
From: kmbadlose
Topic: 918 Message: 920

Hi ALAN: Thank's alot for the quick response. I measured the open voltage at the key which is -62.0V. So, is there a specific PNP transistor I should get to replace the one in my circuit, or will any that is rated higher than the 62volts do? I really appreciate the help. Pete VE3BHP --- In TS-520_820_530_830@yahoogroups.com, w2aew@a... wrote: > The CW portion doesn't work because the TS-520 uses grid-block keying for CW. > This means that the open-circuit voltage present at the key is about -60V or > so. The circuit shown in the schematic is designed for modern rigs which have > a smaller, POSITIVE open circuit voltage at the key. When you connect the > circuit as shown, you are saturating the 2N4401 by forward biasing the > base-collector junction, which pulls the key line near ground, keying the rig > regardless of the state of the DTR pin. > > Here's an idea (off the top of my head) that should work: > 1. Remove the 2N4401 transistor > 2. Install a PNP transistor, such as 2N6730 as follows: > Base to Ground > Emitter to junction of 2.2K, 10K, diode cathode > Collector to CW KEY > > Note that the transistor used is not too critical, except - it must be PNP and > it must have a Vceo rating that is greater than the open-circuit key voltage. > So, measure your open circuit voltage (voltage across the key when not keyed > down). Be careful, the voltage will be negative (i.e. connect the positive > lead of your voltmeter to ground, and the negative to CW KEY). The > transistor's Vceo spec should exceed this measured voltage by as much as > possible. > > > Quoting kmbadlose : > > > > > > > > > > > Me again;
> >
> > The journey into building my first (useful) electronic circuit
> > continues. I have built the interface from the following website... > >
> >
> > > > href="http://www.mixw.net/hardcon.htm">http://www.mixw.net/hardcon. htm > ; > >
(the DB9 one near the top of the
> > page)
> >
> > to run digital modes on the TS-520. The PTT part of the circuit
> > works perfectly but I can't seem to get the CW half to work. It is > >
> > the identical circuit to the PTT one. At the end, I am going from
> > the
> > collector of the transistor to the center wire of my CW cable and the
> > ground (emitter end) is going to the other wire. When I attach (even > >
> > just the center wire) to the circuit, I get a continuous tone on CW > >
> > (that's with or without the DB9 even attached)
> >
> > Does this CW circuit not work on the 520, or is there something I'm
> > doing extremely wrong.
> >
> > As usual, any thoughts or suggestions about this would be greatly
> > appreciated.
> >
> > Pete
> > VE3BHP
> >

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921. Re: [TS-520_820_530_830] Re: Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-06 19:54:50 UTC
From: w2aew@arrl.net
Topic: 918 Message: 921

Pete, As long as its Vceo is greater than 62V, you should be OK. The greater, the better, to give some margin against breakdown. The device I mentioned is one possibility, also NTE-383 would work, 2N5400, and many others. It all depends upon what you've got available to you locally. The NTE line is commonly carried at the electronics stores that typically serve the repair industry. I'm not sure what you've got locally that might carry what you need. Quoting kmbadlose : > > > > > Hi ALAN:
>
> Thank's alot for the quick response. I measured the open voltage at >
> the key which is -62.0V. So, is there a specific PNP transistor I >
> should get to replace the one in my circuit, or will any that is rated
> higher than the 62volts do?
>
> I really appreciate the help.
>
> Pete
> VE3BHP
>
>
> --- In TS-520_820_530_830@yahoogroups.com, w2aew@a... wrote:
> > The CW portion doesn't work because the TS-520 uses grid-block
> keying for CW.
> > This means that the open-circuit voltage present at the key is about >
> -60V or
> > so. The circuit shown in the schematic is designed for modern rigs >
> which have
> > a smaller, POSITIVE open circuit voltage at the key. When you >
> connect the
> > circuit as shown, you are saturating the 2N4401 by forward biasing >
> the
> > base-collector junction, which pulls the key line near ground,
> keying the rig
> > regardless of the state of the DTR pin.
> >
> > Here's an idea (off the top of my head) that should work:
> > 1. Remove the 2N4401 transistor
> > 2. Install a PNP transistor, such as 2N6730 as follows:
> > Base to Ground
> > Emitter to junction of 2.2K, 10K, diode cathode
> > Collector to CW KEY
> >
> > Note that the transistor used is not too critical, except - it must >
> be PNP and
> > it must have a Vceo rating that is greater than the open-circuit key >
> voltage.
> > So, measure your open circuit voltage (voltage across the key when >

> not keyed
> > down). Be careful, the voltage will be negative (i.e. connect the >
> positive
> > lead of your voltmeter to ground, and the negative to CW KEY). The >
> > transistor's Vceo spec should exceed this measured voltage by as
> much as
> > possible.
> >
> >
> > Quoting kmbadlose :
> >
> > >
> > >
> > >
> > >
> > > Me again;

> > >

> > > The journey into building my first (useful) electronic circuit >
>

> > > continues. I have built the interface from the following >
> website...
> > >

> > >

> > > > > >
> > href=" href="http://www.mixw.net/hardcon.htm">http://www.mixw.net/hardcon.htm" ;>
href="http://www.mixw.net/hardcon.">http://www.mixw.net/hardcon.
> htm
> > ;
> > > (the DB9 one near the top of the

> > > page)

> > >

> > > to run digital modes on the TS-520. The PTT part of the >
> circuit

> > > works perfectly but I can't seem to get the CW half to > work.
> It is
> > >

> > > the identical circuit to the PTT one. At the end, I am > going
> from

> > > the

> > > collector of the transistor to the center wire of my CW cable and >
> the

> > > ground (emitter end) is going to the other wire. When I >
> attach (even
> > >

> > > just the center wire) to the circuit, I get a continuous tone on >
> CW
> > >

> > > (that's with or without the DB9 even attached)

> > >

> > > Does this CW circuit not work on the 520, or is there something >
> I'm

> > > doing extremely wrong.

> > >

> > > As usual, any thoughts or suggestions about this would be greatly >
>

> > > appreciated.

> > >

> > > Pete

> > > VE3BHP

> > >

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23&partid=4116730" > alt="">
src="http://us.a1.yimg.com/us.yimg.com/a/ne/netflix/yhoo0903_a_300250A.gif" > alt="click
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922. Success!!... Was Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-08 01:13:50 UTC
From: kmbadlose
Topic: 918 Message: 922

Hey ALAN:

OK, picked up the NTE383 today and plugged it into the circuit as you described... and VIOLA!! PRESTO!!! Instant keyboard CW sending. I thank you VERY MUCH for the suggestion, and learned a little more about electronic circuits again to boot. Now I can add the interface to my collection of "dorkage" <- (nice word your xyl came up with... mine has been trying to find a good word for it for some time... and now she has one. Thank's)

This group rules!!!

73's
Pete
VE3BHP

923. Re: [TS-520_820_530_830] Success!!... Was Question RE; CW circuit/DB-9 serial

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-08 01:29:46 UTC
From: Alan Wolke
Topic: 918 Message: 923

Hello Pete,

Very cool! I'm glad that my simple suggestion worked. Not bad for an idea that just came off the top of my head, huh! You ought to send your results to the owner of the website that had the other circuit on it. That way, they can add it to their circuit collection for the older, negative keyed rigs.

Congrats on your dorkage addition!

73 de Alan W2AEW
http://www.dorkage.com

kmbadlose wrote:

> Hey ALAN:
>
> OK, picked up the NTE383 today and plugged it into the circuit as you
> described... and VIOLA!! PRESTO!!! Instant keyboard CW sending. I
> thank you VERY MUCH for the suggestion, and learned a little more
> about electronic circuits again to boot. Now I can add the interface
> to my collection of "dorkage" <- (nice word your xyl came up with...
> mine has been trying to find a good word for it for some time... and
> now she has one. Thank's)
>
> This group rules!!!
>
> 73's
> Pete
> VE3BHP
>
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--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

924. How much does impedance matter?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-09 00:06:33 UTC
From: Jim
Topic: 924 Message: 924

I am about to do the factory described mod to my TS-820 so that it interconnects to the R-820 receiver. Apparently, when these rigs were new in the 1970's, the R-820 came with a transceive cable and an extra piece of thin coax to do the mod. So, I need two pieces of coax - one to go from the 9 pin VFO socket on the rig to the 16 pin Hirose connector on the receiver and another short piece that runs from PD Unit HET Output to the IF out.

Now, in the R-820 manual it says the supplied coax is 75 ohms (1.5C, 2V). Does it matter if I use 50 ohm? I know you are supposed to match impedances whenever possible, but . . . is there going to be that much loss in a few inches?

After searching the earth (literally) to find the extremely elusive Hirose connector, I don't want to screw this up!

73,
Jim

925. Re: [TS-520_820_530_830] How much does impedance matter?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-09 00:39:04 UTC
From: f x
Topic: 924 Message: 925

Jim,

The coax which connects your TV is RG-59 or most likely RG-6... that is all 75 ohm stuff. Problem is that usually it is tape and braid construction and very difficult to solder to the braid. The center will be copper plated steel wire.

NY0Y

Raleigh

Jim <K1ZC@...> wrote:
I am about to do the factory described mod to my TS-820 so that it interconnects to the R-820 receiver. Apparently, when these rigs were new in the 1970's, the R-820 came with a transceive cable and an extra piece of thin coax to do the mod. So, I need two pieces of coax - one to go from the 9 pin VFO socket on the rig to the 16 pin Hirose connector on the receiver and another short piece that runs from PD Unit HET Output to the IF out.

Now, in the R-820 manual it says the supplied coax is 75 ohms (1.5C, 2V). Does it matter if I use 50 ohm? I know you are supposed to match impedances whenever possible, but . . . is there going to be that much loss in a few inches?

After searching the earth (literally) to find the extremely elusive Hirose connector, I don't want to screw this up!

73,
Jim

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[Non-text portions of this message have been removed]

926. TS-520S up for sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-09 17:05:29 UTC
From: k9zy
Topic: 804 Message: 926

Thanks for the good advice, below. I've learned a valuable lesson about doing things right the first time. I was intending on selling the 520S when I messed up the drive coil alignment in the first place. So... I'm now looking to sell this one to anyone who is interested in picking this one up who can fix it themselves.

I'm quite confident I did not mess up the VFO with my metal tool use... The bands dropped out one by one as I adjusted their coils, no one big failure. I've got too many house and antenna projects to get too and this 520 will sit for another year before I can get to it to try and tune it proprely, and it looks like I may not have the instruments I need to properly restore the alignments anyway.

If anyone is interested, please drop me an e-mail with an offer. K9ZY@.... I'm located 25 miles south of Sacramento, CA or could ship. I have an extra set of tubes (3 total) and a few pics if desired for you to view the unit. Cosmeticaly it has wear marks on top front edge, and a few on the controls, probably an 8 out of 10. I have the original manual, and an after market handheld Cobra mic. It has the SSB and CW filters. This unit is missing the side control cover.

Thanks,
Mark

--- In TS-520_820_530_830@yahoogroups.com, "robjaw1" <robjaw1@y...> wrote:
> OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO BOY!
> Metal?
> Sorry, had an out of body experiance there for a second!
> Your gonna have to get some plastic, or non metalic
> adjustment tools first!
> Hope you didnt get to close to the VFO unit either and that
> what ever you were using wasnt magnetic.......
> Second, if it is that far out of wack now, you might be needing to
> find someone with a freq counter and a freq generator, and scope
> maybe.....
> I have all of those things, and I dont even want to think about
> getting into my TS820S without having someone like Bill around
> watching me do it the first time, or at the least have him on a
> speaker phone walking me through it.... Way to many transformers in
> there for me.... Had a tough enough time with a 430S I had be working
> on....
> Before you buy more tubes, make sure the first ones werent bad by

> getting someone to test them for you..
>
> Rob
> KB3JZG
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "k9zy" <k9zy@y...>
wrote:
> > A number of months back, I decided to fine tune the output and
> > receive on my 520. Output drive was at about 100 watts on every
> band
> > except 160m which was at 75 watts, so I decided to try and fine
> tune
> > to get it up to 100. I did not have the plastic allen wrench, so
I
> > used a metal wrench. I did not have a good dummy load, so I
> > foolishly attempted the adjustments into a multi-band antenna,
> using
> > low power.
> >
> > After making several adjustments, as best I could following the
> > instructions in the manual, drive on 10 meters was gone, 0!. I
made
> > more adjustments, and drive slowly disappeared on each band. All
> > bands went to 0 watts output.
> >
> > I thought I had blown the tubes, so I acquired new tubes (all
3),
> > replaced them, and no change. Then someone suggested that the
fine
> > tuning was very delicate and without the right measuring
equipment,
> > I probably had put the whole system out of whack and that is
why I
> > had no output.
> >
> > Does anyone have a clue what may have gone wrong, and how do I
fix
> > it? The only test equipment I have is a small multitester, but I
do
> > have a dummy load now.
> >
> > Thanks,
> > Mark
> > K9ZY

927. Re: [TS-520_820_530_830] TS-520S up for sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-09 17:29:05 UTC
From: Mike
Topic: 804 Message: 927

Unless you physically shorted something out there is no permanent harm done. The reason for not using metallic tools is that they change inductance and capacitance values simply by being near the component you are adjusting. You can use metal tools for this but you need to pull the tool away to get the 'actual' value you have adjusted to. Plastic tools make adjustments a lot easier but metal tools aren't going to harm anything.

>I'm quite confident I did not mess up the VFO with my metal tool
>use... The bands dropped out one by one as I adjusted their coils,
>no one big failure.

928. Re: How much does impedance matter?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-09 23:23:43 UTC
From: Jim
Topic: 924 Message: 928

Yes, I am familiar with the TV stuff from trying to put connectors on - pretty nasty stuff. What I am wondering is what happens if I use the 50 ohm thin coax I bought at a recent hamfest for this purpose. Given the application, I wonder if coax was used simply to contain the signal inside the shield and the impedance is less important.

If you think I need to match the impedance, does anybody know of a source that can supply small quantities (6 feet or so) of the right stuff?

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, f x <dawnlight1491@y...> wrote:
> Jim,
>
> The coax which connects your TV is RG-59 or most likely RG-6... that is all 75 ohm stuff. Problem is that usually it is tape and braid construction and very difficult to solder to the braid. The center will be copper plated steel wire.
>
> NY0Y
>
> Raleigh

929. Re: [TS-520_820_530_830] Re: How much does impedance matter?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-10 13:20:59 UTC
From: Bill
Topic: 924 Message: 929

Jim, I am guessing that the cable capacitance might be
a factor more than the impedance. I know that the
kind of LO connecting cables used in the Drake twins
is important... not so sure about the 820.. Heck use
the RG-174... there's probably a work around to the
different capacitance.

b

--- Jim <K1ZC@...> wrote:
> Yes, I am familiar with the TV stuff from trying to
> put connectors
> on - pretty nasty stuff. What I am wondering is
> what happens if I
> use the 50 ohm thin coax I bought at a recent
> hamfest for this
> purpose. Given the application, I wonder if coax
> was used simply to
> contain the signal inside the shield and the
> impedance is less
> important.
>
> If you think I need to match the impedance, does
> anybody know of a
> source that can supply small quantities (6 feet or
> so) of the right
> stuff?
>
> 73,
> Jim
>
> --- In TS-520_820_530_830@yahoogroups.com, f x
> <dawnlight1491@y...>
> wrote:
> > Jim,
> >
> > The coax which connects your TV is RG-59 or most
> likely RG-6...
> that is all 75 ohm stuff. Problem is that usually
> it is tape and
> braid construction and very difficult to solder to
> the braid. The
> center will be copper plated steel wire.
> >
> > NY0Y

> >
> > Raleigh
>
>
>

=====

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930. WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-12 19:28:12 UTC
From: Dave
Topic: 930 Message: 930

Help me out here guys, i need a copy of the QST feb 83 article on adding the WARC bands to the TS820, i've been searching the net for weeks.
Dave
G8jmk

931. Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-13 22:31:41 UTC
From: Greg
Topic: 930 Message: 931

Dave, I have the original ariticle and also a copy of it, (which I am sure I downloaded from somewhere on the internet...but I cant remember where!)...If no one else can tell you where to download it from off the net, let me know and I will scan it and email it to you. (I'll also post it to the groups FILES section at that time, if ok with the moderator.)

I have not done it myself, but it looks fairly easy, especially if you are intereted in adding only one of the bands, (esp. 17 metres.)

73
Greg

> Help me out here guys, i need a copy of the QST feb 83 article on
> adding the WARC bands to the TS820, i've been searching the net for
> weeks.
> Dave
> G8jmk

932. Getting more smoke

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-13 22:42:33 UTC
From: Grant McDuling
Topic: 932 Message: 932

G'day fellas,

I am baffled as to how I can get more smoke from my TS-520SE. This is the situation:

When I tune up the rig as per the instructions, all goes as expected. I then turn my attention to getting the SWR right. I do this by keying down and twiddling the knobs until the SWR gets as low as I can get it. I can achieve an SWR of 1.3:1 on my basic Power/SWR meter with power indicated at 80W. I then try to squeese some more smoke out by revisiting the basic tune up steps as previously done, but there isn't usually much to be had. So, I presume this is it. Is it not possible then to get 100W out?

The next thing I have noticed is that when I switch modes from CW to USB and tansmit, the SWR remains at 1.3:1 but the power needle fluctuates around the 20 or 30 mark. Is this to be expected? How can I get more smoke out on SSB? Or is that it?

73's
Grant
VK4JAZ

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[Non-text portions of this message have been removed]

933. Re: [TS-520_820_530_830] Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-14 00:14:47 UTC
From: Bill
Topic: 930 Message: 933

All stuff relating to the rigs is welcome.

b

Greg <va3vfo@...> wrote:

Dave, I have the original ariticle and also a copy of it, (which I am sure I downloaded from somewhere on the internet...but I cant remember where!)...If no one else can tell you where to download it from off the net, let me know and I will scan it and email it to you. (I'll also post it to the groups FILES section at that time, if ok with the moderator.)

I have not done it myself, but it looks fairly easy, especially if you are intereted in adding only one of the bands, (esp. 17 metres.)

73
Greg

> Help me out here guys, i need a copy of the QST feb 83 article on
> adding the WARC bands to the TS820, i've been searching the net for
> weeks.
> Dave
> G8jmk

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[Non-text portions of this message have been removed]

934. Re: [TS-520_820_530_830] Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-14 00:49:45 UTC
From: Peter A Markavage
Topic: 930 Message: 934

I would suggest you get ARRL/QST permission to post an article up on the FILES section or anywhere else for that matter. They get very "squirrelly" when people post QST articles somewhere without their permission.

Pete, WA2CWA

On Thu, 13 Nov 2003 16:14:47 -0800 (PST) Bill <coorsbill@...> writes:
All stuff relating to the rigs is welcome.

b

Greg <va3vfo@...> wrote:

Dave, I have the original ariticle and also a copy of it, (which I am sure I downloaded from somewhere on the internet...but I cant remember where!)...If no one else can tell you where to download it from off the net, let me know and I will scan it and email it to you. (I'll also post it to the groups FILES section at that time, if ok with the moderator.)

I have not done it myself, but it looks fairly easy, especially if you are intereted in adding only one of the bands, (esp. 17 metres.)

73
Greg

> Help me out here guys, i need a copy of the QST feb 83 article on
> adding the WARC bands to the TS820, i've been searching the net for
> weeks.
> Dave
> G8jmk

[Non-text portions of this message have been removed]

935. Re: [TS-520_820_530_830] Getting more smoke

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-14 02:42:01 UTC
From: Bill
Topic: 932 Message: 935

Are you tuning the RIG to affect the SWR, or an external tuner?

It's not good to use the rig as a tuner.. You could get a good "match" at the expense of not properly loading your finals...

b

Grant McDuling <grantmcduling@...> wrote:
G'day fellas,

I am baffled as to how I can get more smoke from my TS-520SE. This is the situation:

When I tune up the rig as per the instructions, all goes as expected. I then turn my attention to getting the SWR right. I do this by keying down and twiddling the knobs until the SWR gets as low as I can get it. I can achieve an SWR of 1.3:1 on my basic Power/SWR meter with power indicated at 80W. I then try to squeese some more smoke out by revisiting the basic tune up steps as previously done, but there isn't usually much to be had. So, I presume this is it. Is it not possible then to get 100W out?

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73's
Grant
VK4JAZ

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[Non-text portions of this message have been removed]

936. Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-14 20:43:26 UTC
From: Greg
Topic: 930 Message: 936

Hi Gang..I do have the article scanned, but it is a large 35 meg zipped file. Unfortunatly, I have no way of converting it to a PDF or DJaVu file, which would make it much easier to loan-out.

It is too big, in its uncompressed format for the sites File section as there is a maximum upload size limit. Also, for posting there, perhaps Bill can ask ARRL or the author for permission first. Then I could send it to a group member who can convert it to PDF and then they can upload it to the FILES section.

I have 3 or 4 other small QST articles that apply to the TS820. If Bill does get ARRL's ok to post them, I can scan them for the group files section once we figure out who can convert them (They would take too long for members to download from this site otherwise)

Contact me directly to discuss a work around or for an attempt to have it e-mailed, but I wouldnt count on it working as I am on dial up. In the meantime, Ill see about purchasing a PDF convertion program.
Unfotunatly, I did once have a PDF file of it, but can no longer find it.

73

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...>
wrote:
> All stuff relating to the rigs is welcome.
>
> b
>

937. Re: [TS-520_820_530_830] Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-14 22:27:01 UTC
From: Peter A Markavage
Topic: 930 Message: 937

There were actually three articles on the 820 conversion:

Jan 1984 QST49More On The TS-820(S) WARC Conversion
(Technical Correspondence)
Keywords: MODIFICATION KENWOOD TS-820 WARCCheek, Robert, W3VT
Nov 1983 QST61WARC Bands for the TS-820(S)
(Feedback)
Keywords: MODIFICATION KENWOOD TS-820 WARC BAND

Feb 1983 QST36WARC Bands For The TS-820(S)
Keywords: MODIFICATION KENWOOD TS-820 WARC BANDCheek, Robert, W3VT

On Fri, 14 Nov 2003 20:43:26 -0000 "Greg" <va3vfo@...> writes:
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zipped file. Unfortunatly, I have no way of converting it to a PDF or
DJaVu file, which would make it much easier to loan-out.

It is too big, in its uncompressed format for the sites File section
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Bill does get ARRL's ok to post them, I can scan them for the group
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take too long for members to download from this site otherwise)

Contact me directly to discuss a work around or for an attempt to
have it e-mailed, but I wouldnt count on it working as I am on dial
up. In the meantime, Ill see about purchasing a PDF convertion
program.
Unfotunatly, I did once have a PDF file of it, but can no longer find
it.

73

[Non-text portions of this message have been removed]

938. ts520SE and 17m?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-15 14:50:07 UTC
From: Jeff, Julie, Annabelle, and Nicholas
Topic: 938 Message: 938

Can 17m be added to the 520SE?

73 de Jeff, KF3KWO

939. Re: WARC bands on TS820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-15 17:25:00 UTC
From: Greg
Topic: 930 Message: 939

TNX to everyone for your offer to help. The Article has been converted to PDF to make a smaller file, tnx to Jamie, KC8KXI. Pls e-mail me directly for more info. (It is a 10 meg file and slow if e-mailed to you. It would have to be done in sections)

Bill if you feel its OK to Post in the FILE section, please e-mail me. It would probably be bests to get ARRL's ok. Perhaps you can also get the ok to post the other small articles as discribed below.

RE the other QST articles; I DONT have the Jan 84 Tech Correspondence so I cant comment on what it contains. I do have the Nov 83 Feed Back, which is a small 7 line correction to Feb 83 info (just typos).

There are 3 other articles with info on the TS820 that may be of interest to the Group: FEB 81- Full QSK for the 820, DEC 83- Using Schotky Diodes to Improve the 820, DEC 83-Keying cct Modification from -65v to +4.4v

Hope this is of interest
73

--- In TS-520_820_530_830@yahoogroups.com, Peter A Markavage <pmarkavage@j...> wrote:
> There were actually three articles on the 820 conversion:
>
> Jan 1984 QST49More On The TS-820(S) WARC Conversion
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>
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> Keywords: MODIFICATION KENWOOD TS-820 WARC BANDCheek, Robert, W3VT
>
>

940. Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-17 00:52:48 UTC
From: kg6fft63
Topic: 940 Message: 940

Hello All:
I am a new to this group. I have a Kenwood TS820 that has passed on. I had a tech check it out, he said everything was perfect except the Brain module is dead. Can this thing be repaired and is there anyone in California that can do it.. I'm willing to drive to get it repaired, But I hate to think what shipping on a TS820 "bag of cement" would cost. I don't know anything about this rig, so I can't talk techy. Is it worth trying to bring it back to life? thanks for any help.

941. Re: Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-17 05:11:12 UTC
From: rsakabu
Topic: 940 Message: 941

--- In TS-520_820_530_830@yahoogroups.com, "kg6fft63" <kg6fft63@y...>
wrote:
> Hello All:
> I am a new to this group. I have a Kenwood TS820 that has passed
> on. I had a tech check it out, he said everything was perfect except
> the Brain module is dead. Can this thing be repaired and is there
> anyone in California that can do it.. I'm willing to drive to get it
> repaired, But I hate to think what shipping on a TS820 "bag of
> cement" would cost. I don't know anything about this rig, so I can't
> talk techy. Is it worth trying to bring it back to life? thanks for
> any help.

It's not that much. My TS-830 cost about $35 to ship via UPS across
the country. Just pack it well, the extra cost of more foam and
bubble wrap is well worth it. Don't use crumpled newspaper, it's
compresses and is worthless when it comes to protecting something this
heavy.

942. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-17 11:56:10 UTC
From: Ken Nellis
Topic: 940 Message: 942

kg6fft63:

This is only a little help I suppose, but when I had my TS-820 shipped to me, double boxed, via UPS the charges were a little under $20. Not as bad as you may have been thinking.

Ken

----Original Message Follows----
From: "kg6fft63" <kg6fft63@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Should I dig a hole?
Date: Mon, 17 Nov 2003 00:52:48 -0000

Hello All:
I am a new to this group. I have a Kenwood TS820 that has passed on. I had a tech check it out, he said everything was perfect except the Brain module is dead. Can this thing be repaired and is there anyone in California that can do it.. I'm willing to drive to get it repaired, But I hate to think what shipping on a TS820 "bag of cement" would cost. I don't know anything about this rig, so I can't talk techy. Is it worth trying to bring it back to life? thanks for any help.

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943. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-17 13:19:02 UTC
From: Dale Cole
Topic: 940 Message: 943

Shipping not that bad--double layered boxes when I sold my 830 and vfo 230 from Mich to NY and only cost about 35.00. Beats price of a new rig, which you are going to pay shipping on anyway.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Monday, November 17, 2003 06:56:14 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Should I dig a hole?

kg6fft63:

This is only a little help I suppose, but when I had my TS-820 shipped to me, double boxed, via UPS the charges were a little under $20. Not as bad as you may have been thinking.

Ken

----Original Message Follows----
From: "kg6fft63" <kg6fft63@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Should I dig a hole?
Date: Mon, 17 Nov 2003 00:52:48 -0000

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[Non-text portions of this message have been removed]

944. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-17 13:27:25 UTC
From: Bill
Topic: 940 Message: 944

Hmmm, the 820 doesn't have a cpu... what is the brain module?

Let's start at square one... what is it doing or not doing?

b

kg6fft63 <kg6fft63@...> wrote:
Hello All:
I am a new to this group. I have a Kenwood TS820 that has passed on. I had a tech check it out, he said everything was perfect except the Brain module is dead. Can this thing be repaired and is there anyone in California that can do it.. I'm willing to drive to get it repaired, But I hate to think what shipping on a TS820 "bag of cement" would cost. I don't know anything about this rig, so I can't talk techy. Is it worth trying to bring it back to life? thanks for any help.

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945. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-18 02:38:26 UTC
From: Michael Banny
Topic: 940 Message: 945

Hi Bill: Thanks for getting back to me. The radio turns on, so it is getting power, However that is where it stops. I have no digital dispaly and it doesn't transmit or recieve. I can hear a hisss< but that is it.. The tech that looked at it says " all connections are clean and tight. He may have used the official name for the part that is out. I do remember he called it " It's Brain" I would love to get it going again. I don't even know if any parts are available for the 820. I does have some sentamental value. The best part is.....When my wife found out it was dead, she said I should go buy myself somthing new..I JUMPED at the chance and bought the FT857, It'll be here on Thursday. So now I can take my time and find the right person to send it to.. Thanks for any help you can give...Michael KG6FFT
Bill <coorsbill@...> wrote:Hmmm, the 820 doesn't have a cpu... what is the brain module?

Let's start at square one... what is it doing or not doing?

b

kg6fft63 <kg6fft63@...> wrote:
Hello All:
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946. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-18 12:01:15 UTC
From: James Higginbotham
Topic: 940 Message: 946

Bill,
Is it possible that the vfo is out? If so, could he connect up an
external vfo and check it? (just my brainless jump at an answer)
Jamie
kc8kxi
----- Original Message -----
From: "Michael Banny" <kg6fft63@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 17, 2003 9:38 PM
Subject: Re: [TS-520_820_530_830] Should I dig a hole?

> Hi Bill: Thanks for getting back to me. The radio turns on, so it is
getting power, However that is where it stops. I have no digital dispaly and
it doesn't transmit or recieve. I can hear a hisss< but that is it.. The
tech that looked at it says " all connections are clean and tight. He may
have used the official name for the part that is out. I do remember he
called it " It's Brain" I would love to get it going again. I don't even
know if any parts are available for the 820. I does have some sentamental
value. The best part is......When my wife found out it was dead, she said I
should go buy myself somthing new..I JUMPED at the chance and bought the
FT857, It'll be here on Thursday. So now I can take my time and find the
right person to send it to.. Thanks for any help you can give...Michael
KG6FFT
> Bill <coorsbill@...> wrote:Hmmm, the 820 doesn't have a cpu... what
is the brain module?
>
> Let's start at square one... what is it doing or not doing?
>
> b
>
>
> kg6fft63 <kg6fft63@...> wrote:
> Hello All:
> I am a new to this group. I have a Kenwood TS820 that has passed
> on. I had a tech check it out, he said everything was perfect except
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> repaired, But I hate to think what shipping on a TS820 "bag of
> cement" would cost. I don't know anything about this rig, so I can't
> talk techy. Is it worth trying to bring it back to life? thanks for
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947. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-18 12:24:48 UTC
From: Bill K0ZL
Topic: 940 Message: 947

OK well you have a dead VCO section; also something else, as the VCO is used to track the VFO for the counter. You also get your band information for the other circuits from this. Did the tech take the VCO/PLLsection apart and clean the inter-board connections?

You have a great wife, like mine... she's always for a new rig, anytime. Tower too!

Did God bless us or what dude?

Congrats on the 847, can't go wrong with that one.

b

Michael Banny <kg6fft63@...> wrote:
Hi Bill: Thanks for getting back to me. The radio turns on, so it is getting power, However that is where it stops. I have no digital dispaly and it doesn't transmit or recieve. I can hear a hisss< but that is it.. The tech that looked at it says " all connections are clean and tight. He may have used the official name for the part that is out. I do remember he called it " It's Brain" I would love to get it going again. I don't even know if any parts are available for the 820. I does have some sentamental value. The best part is......When my wife found out it was dead, she said I should go buy myself somthing new..I JUMPED at the chance and bought the FT857, It'll be here on Thursday. So now I can take my time and find the right person to send it to.. Thanks for any help you can give...Michael KG6FFT
Bill <coorsbill@...> wrote:Hmmm, the 820 doesn't have a cpu... what is the brain module?

...

"If it bleeds, we can kill it" --Arnold Schwarzenegger in "Predator"

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948. Re: [TS-520_820_530_830] Should I dig a hole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-18 12:34:01 UTC
From: Bill K0ZL
Topic: 940 Message: 948

Absolutely

Also, I forgot about the acc plug in the back. I sure hope that little old black, 9 pin round plug is in the socket on the back of the rig, or it won't play. Thanks for reminding me about the VFO... duh... eeeeeyooooooorrrrre

b

James Higginbotham <bknight@...> wrote:
Bill,
Is it possible that the vfo is out? If so, could he connect up an external vfo and check it? (just my brainless jump at an answer)
Jamie
kc8kxi
----- Original Message -----
From: "Michael Banny" <kg6fft63@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 17, 2003 9:38 PM
Subject: Re: [TS-520_820_530_830] Should I dig a hole?

> Hi Bill: Thanks for getting back to me. The radio turns on, so it is getting power, However that is where it stops. I have no digital dispaly and it doesn't transmit or recieve. I can hear a hisss< but that is it.. The tech that looked at it says " all connections are clean and tight. He may have used the official name for the part that is out. I do remember he called it " It's Brain" I would love to get it going again. I don't even know if any parts are available for the 820. I does have some sentamental value. The best part is......When my wife found out it was dead, she said I should go buy myself somthing new..I JUMPED at the chance and bought the FT857, It'll be here on Thursday. So now I can take my time and find the right person to send it to.. Thanks for any help you can give...Michael KG6FFT
> Bill <coorsbill@...> wrote:Hmmm, the 820 doesn't have a cpu... what is the brain module?
>
> Let's start at square one... what is it doing or not doing?
>
> b
>
>
> kg6fft63 <kg6fft63@...> wrote:
> Hello All:
> I am a new to this group. I have a Kenwood TS820 that has passed
> on. I had a tech check it out, he said everything was perfect except
> the Brain module is dead. Can this thing be repaired and is there
> anyone in California that can do it.. I'm willing to drive to get it

> repaired, But I hate to think what shipping on a TS820 "bag of
> cement" would cost. I don't know anything about this rig, so I can't
> talk techy. Is it worth trying to bring it back to life? thanks for
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949. ts820-warc band mods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-19 19:16:12 UTC
From: Dave
Topic: 949 Message: 949

Hi Guys, I would like to thank all of you for your help with this information. The response from this group and from Amateur repairs has been fantastic, i hope it has inspired a few other folks to have a go and keeps these rigs in circulation for even longer.
73s and thank you all
Dave

950. TS-830s info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-19 20:59:26 UTC
From: Sonny Peeler
Topic: 950 Message: 950

Thanks for all the manuals on the 830 supplied in pdf by W2AEW. I really needed that info! Great group you have here!

73, Sonny AB4VV

951. Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 13:58:18 UTC
From: ka9vaa
Topic: 951 Message: 951

Ok, I know asking for opinions is asking for problems. I have been using a complete 520se station since 1981, I purchased new and have had zero problems in 22 years. Now I would like to buy another hf rig. My choice is a 530 or 830, the main reason being I want to try the warc bands and I like Kenwood radios.I will be using it for mainly ssb as my hearing is not so good in cw anymore. It seems these two are pretty much alike and I would like comments from anyone who has used both, I've looked on the web and most opinions I find say one or the other is best, not really a comparison of the pros and cons of both.We have club members here who have used one or the other and it does no good to talk with them. As theirs is the best. I know the modern radios have all the features but I like the radios I grew old with, I started with a Echophone in 1954. I hope this is not the wrong question for this forum.

Thank you for any comments

73 Tom

952. Re: Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 18:55:02 UTC
From: rsakabu
Topic: 951 Message: 952

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> Ok, I know asking for opinions is asking for problems. I have been
> using a complete 520se station since 1981, I purchased new and have
> had zero problems in 22 years. Now I would like to buy another hf
> rig. My choice is a 530 or 830, the main reason being I want to try
> the warc bands and I like Kenwood radios.I will be using it for
> mainly ssb as my hearing is not so good in cw anymore. It seems
these
> two are pretty much alike and I would like comments from anyone who
> has used both, I've looked on the web and most opinions I find say
> one or the other is best, not really a comparison of the pros and
> cons of both.We have club members here who have used one or the
other
> and it does no good to talk with them. As theirs is the best. I
know
> the modern radios have all the features but I like the radios I
grew
> old with, I started with a Echophone in 1954. I hope this is not
the
> wrong question for this forum.
>
> Thank you for any comments
>
> 73 Tom

Since both are now just about the same price +/- depending on
where/when you find one, I would go for the 830.

The 830 has two IF slots for Filters, 8.83 MHz and 455 kHz, this
allows for more filter slots available, but more importantly, it
allows you to shift one IF relative to the other. This lets you
adjust the bandwidth from 2.4 kHz to 500 Hz in SSB and CW with just
the stock filters. Of course the 500 Hz setting will give you a shape
factor based on the 2.4 kHz filters and is not as good as a single 500
Hz crystal filter, but you may find that you don't need one if you are
a casual CW op. You certainly don't need a 1.8 kHz SSB filter for
crowded conditions. The 530 has only IF shift which is OK so long as
there isn't QRM/QRN on both sides.
I believe that the 530 also does not have an 8.83 MHz IF out
(someone correct me if I'm wrong). The 830 does have an IF out and if
you are lucky enough to find an SM-220/BS-8 you can use it to get a
spectrum display of signals near your tuned frequency (like a poor
man's 756/Pro/Pro2). Some say it's a gimick, but I find it very
useful to see band activity near me. It's great for finding and making

contacts.
There are a number of problems that can come with such an old
radio, but most have fixes that are public knowledge on the web.

Hope that helps,
73
Roy
AD6ZU

953. Re: [TS-520_820_530_830] Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 18:36:41 UTC
From: Bob
Topic: 951 Message: 953

Tom- I'd go for the 830. Have used one -still do- since it first came out - June '81 !! Mine has worked. I was off the air for 15 yrs or so, radio in box. Re-started the hobby, turned it back on, has been on since. I came up w/a 940, it's not 100%, but not as good as the 830...The 830 has a following, it does not have the bells and whistles, but it is EASY to run. Nothing to remember, which key-pad button runs what, no large display to sort out, no heavy thinking, just turn it on and go.

I have not had mine open. Output is still 100w +. I guess it will need tubes sometime, and I think about buying a spare set, but have not.

I recently picked up a Shure 444 mike at a meet, am told on-the -air that it sounds good, better than the MC-50 mike that "goes" with it.

Have run it into a Vertical, Inv.V, a trapped dipole, and now a Carolina Windom, with a tuner. Never any problem loading. I like the Windom, use the tuner on 160, and 75, to "trim' the ant. (it would/does work direct).

The only down side is the built -in speaker...it's 3 " I think...I have used a 4" spkr in the SP-940, currently use an Am-Com digital speaker, to cut noise. Can add more info if interested. (would do it different next time)

The 830's seem to go for $ 350 +/-. I don't know what the "Gold" model is.

I would say you could not go wrong in picking up an 830.

If more questions, ask.

73, Bob KA1DFO

[Non-text portions of this message have been removed]

954. Re: [TS-520_820_530_830] Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 22:38:46 UTC
From: Peter A Markavage
Topic: 951 Message: 954

Later 830's had the TS-830 emblem on the front panel with gold colored lettering. That's it. Same as all the other 830's. No reason to pay a penny more the gold colored printing.

Pete, WA2CWA

On Fri, 21 Nov 2003 13:36:41 -0500 "Bob" <ramcleod@...> writes:
The 830's seem to go for $ 350 +/-. I don't know what the "Gold" model is.

I would say you could not go wrong in picking up an 830.

If more questions, ask.

73, Bob KA1DFO

[Non-text portions of this message have been removed]

955. Re: Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 22:49:26 UTC
From: rsakabu
Topic: 951 Message: 955

I beg to differ...
East Coast transistor lists the TS-830S emblem as $4.55, the GOLD
emblem is listed at $5.04, so you are adding 49 cents more in value to
the TS-830S Gold versus the standard version.
Furthermore, the gold emblem is now a discontinued part, which adds
considerably to its collectability (maybe another $0.10 - $0.25)

....

--... ...--

-.. . -. -.. -.... --.. ..-

--- In TS-520_820_530_830@yahoogroups.com, Peter A Markavage
<pmarkavage@j...> wrote:
> Later 830's had the TS-830 emblem on the front panel with gold
colored
> lettering. That's it. Same as all the other 830's. No reason to pay
a
> penny more the gold colored printing.
>
> Pete, WA2CWA
>

956. Re: [TS-520_820_530_830] Re: Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-21 22:50:13 UTC
From: Bill K0ZL
Topic: 951 Message: 956

I agree with Roy, go with the 830.

bill

rsakabu <rsakabu@...> wrote:
...
Since both are now just about the same price +/- depending on
where/when you find one, I would go for the 830.

The 830 has two IF slots for Filters, 8.83 MHz and 455 kHz, this
allows for more filter slots available, but more importantly, it
allows you to shift one IF relative to the other. This lets you
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Hz crystal filter, but you may find that you don't need one if you are
a casual CW op. You certainly don't need a 1.8 kHz SSB filter for
crowded conditions. The 530 has only IF shift which is OK so long as
there isn't QRM/QRN on both sides.
...

"If it bleeds, we can kill it" --Arnold Schwarzenegger in "Predator"

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957. Re: [TS-520_820_530_830] Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-22 11:41:15 UTC
From: Bill K0ZL
Topic: 951 Message: 957

True for any rig... use external speaker. I like the Drake MS-4 with a good radio shack 4x7 replacement in it, or any old boom-box speaker works great too.
b

Bob <ramcleod@...> wrote:
...

The only down side is the built -in speaker...it's 3 " I think...I have used a 4" spkr in the SP-940, currently use an Am-Com digital speaker, to cut noise. Can add more info if interested. (would do it different next time)

...

"If it bleeds, we can kill it" --Arnold Schwarzenegger in "Predator"

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958. TS-520/520S/520SE - 820 on WARC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-22 17:42:07 UTC
From: falcon2448
Topic: 958 Message: 958

I've read a few post asking for info on converting these rigs to cover the WARC bands. I wonder if the conversion is worth the effort? Wouldn't it be better to purchase a used rig that already has the WARC bands built in in the event the conversion fails to work when completed? There are alot of used rigs that already have the WARC bands built in that are inexpensive as compared to converting a rig that wasn't designed to run on the WARC bands such as the TS-530S. I picked up my 530S for $250.00 on eBay and it works great on all bands including WARC. If the 530S hasn't had the diodes cut then it's a simple matter of doing so by following the simple instructions in the manual.

I know there are articles on converting these fine rigs to cover WARC bands however, does the conversion eliminate an already working band such as 15, for example?

Just a thought.

73's,
Mike
DA1TNJ / WB8TNJ

959. Opinion 530 vs 830 received.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-22 20:10:30 UTC
From: ka9vaa
Topic: 959 Message: 959

Thank you all for your opinons. They were what I hoped for, honest. I found a ts 830 (sorry it's the gold). I had a qso with the owner and it sounds fine, excellent audio. Should arrive in aweek. Get ready for more advice..hi hi.

Thanks again.

Tom de ka9vaa

960. Re: [TS-520_820_530_830] Opinion 530 vs 830 received.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-23 02:16:38 UTC
From: Bill K0ZL
Topic: 959 Message: 960

Good going! Holler if you need an HF sked

bill

ka9vaa <ka9vaa@...> wrote:
Thank you all for your opinons. They were what I hoped for, honest. I
found a ts 830 (sorry it's the gold). I had a qso with the owner and
it sounds fine, excellent audio. Should arrive in aweek. Get ready
for more advice..hi hi.

Thanks again.

Tom de ka9vaa

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961. Re: Opinion wanted 530 vs 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-24 01:38:13 UTC
From: greenmoldydonuts
Topic: 951 Message: 961

I, too, have used an 830 since 1981 and am still on the first set of tubes with full power out. For audio, I plug into the headphone jack, feed the audio out into an Autek QF-1a, the output of which goes through an AM-COM "Clearspeach" base unit that feeds a 10 inch speaker. Lots of volume, and I can use the headphones directly on the rig by simply pulling the plug to the Autek, or by pulling the plug from the 10 inch speaker and plug the headphones into the "Clearspeach" output. That gives the rig a "modern" digital audio system that really works great. I also like to turn and twist the knobs, watch the needles, move, and manually tune the antenna...no automatic stuff. Must be the old "broadcaster" in me. I would definitely recommend the 830s over the 530....no doubt about it!

Bernie in ND

WD0GMD

962. ts 830 mic question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-24 13:28:19 UTC
From: ka9vaa
Topic: 962 Message: 962

I have used a 520se for years with a mc-50 mic, I have purdhased a ts-830 with a mc-60 mic. My question is, should I use the amp mic? or use the mc-50. The owner said to be careful not to over drive the radio with the mc-60 since it is very easy to do. In general should a amp mic be used with the 520-530-820-830 radios?

Your comments are needed please.

Thank you

963. Re: [TS-520_820_530_830] ts 830 mic question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-24 15:08:06 UTC
From: w2aew@arrl.net
Topic: 962 Message: 963

In general, no - you should not need an amplified mic with the 830. The MC-50 was the mic of choice from Kenwood at the time for that rig. Either should work fine (simply turn off the preamp in the MC-60 if you choose to use that one). That's not to say that an amplified mic can't be used, it just generally isn't necessary. If you use an amplified mic, simply keep an watchful eye on the ALC and keep the mic gain on the rig low. A monitor scope can be very helpful to see if you are overdriving or not. Quoting ka9vaa : > > > > > I have used a 520se for years with a mc-50 mic, I have purdhased a ts-
> 830 with a mc-60 mic. My question is, should I use the amp mic? or
> use the mc-50. The owner said to be careful not to over drive the
> radio with the mc-60 since it is very easy to do. In general should a
> amp mic be used with the 520-530-820-830 radios?
>
> Your comments are needed please.
>
> Thank you
>
> > >
> > > > >
>
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>
href="http://rd.yahoo.com/SIG=12ch2j97i/M=259395.3614674.4902533.1261774/D=egro
upweb/S=1705063108:HM/EXP=1069766905/A=1524963/R=0/*http://hits.411web.com/cgi-
bin/autoredir?camp=556&lineid=3614674&prop=egroupweb&pos=HM">
src="http://us.a1.yimg.com/us.yimg.com/a/sl/sleepangel/sleep_300x250.gif" > alt=""
width="300" height="250" border="0">
>
>
src="http://us.adserver.yahoo.com/l?M=259395.3614674.4902533.1261774/D=egroupma
il/S=:HM/A=1524963/rand=599892602">
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Webmail

964. Re: TS-700 and 820S erratic internal VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-26 21:26:05 UTC
From: falcon2448
Topic: 873 Message: 964

Thanks to everyone for their comments and suggestions.
Bent the VFO cap clip and cleaned the cap shaft and clip
where they meet and fixed the problem. Now the receiver
sensitivity needs to be fixed. I've adjusted the receivers
coil pack as outlined in the service manual and it improved
the sensitivity a good bit yet it still exhibits less
sensitivity than the 530 I have, about 2 1/2 S units less
than the 530 using the same antenna on the same band(s)
with the same signals same frequency. I've checked the
antenna change over relay and it appears to be in good
shape. I don't have the test/alignment equipment the
service manual calls for otherwise I would perform
the alignment myself so, for now, I'm at a stand still.
Any suggestions or where I can send it for repair/further
alignment?

73's,

Mike
DA1TNJ / WB8TNJ

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> www.caiglabs.com
>
> It's the best controls cleaner there is.
>
> bill
>
>
> --- Bill <k2wh@o...> wrote:
> > Tell me more. What is this Cailube MCL????
> >
> > K2WH
> > -----Original Message-----
> > From: Bill [mailto:coorsbill@y...]
> > Sent: Sunday, October 26, 2003 22:09 PM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: Re: [TS-520_820_530_830] TS-700 and 820S
> > erratic internal VFO
> >
> >
> > They have the same exact fix: remove the VFO,
> > remove
> > the cover, clean the compression fitting at the
> > back
> > of the variable capacitor. It is a grounding

> > wiper to
> > the rotor and is dirty.
> >
> > Use Cailube MCL, apply one drop only to the
> > fitting,
> > do not spray the capacitor.
> >
> > 73
> >
> > bill
> >
> > --- falcon2448 <mwaldrop@w...> wrote:
> > > Good afternoon everyone,
> > >
> > > Names' Michael and I have 2 Kenwood rigs that
> > > exhibiting
> > > the exact same problem.
> > >
> > > First, TS-820S which has an external VFO
> > (VFO-820)
> > > and it
> > > works great, no problems. The internal VFO on
> > the
> > > 820S
> > > however, does not. Starting around 14.200, same
> > on
> > > all bands,
> > > the VFO and digital display go nuts, becomes
> > > instable. I have
> > > removed the internal VFO, cleaned the rear
> > bearing
> > > with contact
> > > cleaner but it still exhibits the same problem.
> > >
> > > Second, TS-700SP, same problem except no
> > external
> > > VFO. On any
> > > band setting, 144, 145, 146 or 147, at the same
> > dial
> > > setting
> > > the VFO and digital display do the same thing as
> > the
> > > 820S does,
> > > is unstable and erratic. I have not removed the
> > VFO
> > > in the 700SP
> > > because I assumed doing the samething I did with
> > the
> > > 820S will
> > > produce the same results.

> > >
> > > Any ideas on what the problem could be? I've
> > read
> > > various
> > > inputs about the rear bearing and tension spring
> > > being the
> > > cultprit. That's what caused me to clean the
> > rear
> > > bearing
> > > with contact cleaner. I didn't use a very thin
> > file
> > > to clean
> > > the surface because I don't have one that small.
> > >
> > > When the VFO can, in the 820S, was removed, the
> > > inside of the
> > > VFO was very clean and didn't show any signs of
> > > dirty. So,
> > > I'm wondering if anyone has had the same problem
> > and
> > > if so
> > > what the cure was?
> > >
> > > 73's,
> > >
> > > Michael
> > > DA1TNJ / WB8TNJ
> > >
> > >
> > >
> >
> >
> > =====
> >
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>
>
> =====
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> see our website www.amateur-repairs.com
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965. Holiday Blessings to All

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-28 03:43:07 UTC
From: Bill
Topic: 965 Message: 965

[Body unavailable in the source archive]

966. Holiday Blessings to All

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-28 03:43:23 UTC
From: Bill
Topic: 965 Message: 966

To all my friends at Yahoo Groups.

Regardless of your faith, our prayer is for you and your family to be greatly blessed by God in this holiday season. May you all prosper in health, and see great miracles in your families and in our nations in the coming year.

We love you all.

73,

Bill and Bonnie Leahy
K0ZL, KB0HTC

From Luke Chapter 1 (nasb)
The Magnificat

46 And Mary said:
"My soul exalts the Lord,
47
And my spirit has rejoiced in God my Savior.
48
"For He has had regard for the humble state of His bondslave;
For behold, from this time on all generations will count me
blessed.
49
"For the Mighty One has done great things for me;
And holy is His name.
50
"AND HIS MERCY IS UPON GENERATION AFTER GENERATION
TOWARD THOSE WHO FEAR HIM.
51
"He has done mighty deeds with His arm;
He has scattered those who were proud in the thoughts of
their heart.
52
"He has brought down rulers from their thrones,
And has exalted those who were humble.
53
"HE HAS FILLED THE HUNGRY WITH GOOD THINGS;
And sent away the rich empty-handed.
54
"He has given help to Israel His servant,
In remembrance of His mercy,
55
As He spoke to our fathers,

To Abraham and his descendants forever."

967. Re: [TS-520_820_530_830] Holiday Blessings to All

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-11-28 14:30:54 UTC
From: f x
Topic: 965 Message: 967

AMEN!

Raleigh
NY0Y

Bill <coorsbill@...> wrote:
To all my friends at Yahoo Groups.

Regardless of your faith, our prayer is for you and your family to be greatly blessed by God in this holiday season. May you all prosper in health, and see great miracles in your families and in our nations in the coming year.

We love you all.

73,

Bill and Bonnie Leahy
K0ZL, KB0HTC

From Luke Chapter 1 (nasb)
The Magnificat

46 And Mary said:
"My soul exalts the Lord,
47
And my spirit has rejoiced in God my Savior.
48
"For He has had regard for the humble state of His bondslave;
For behold, from this time on all generations will count me
blessed.
49
"For the Mighty One has done great things for me;
And holy is His name.
50
"AND HIS MERCY IS UPON GENERATION AFTER GENERATION
TOWARD THOSE WHO FEAR HIM.
51
"He has done mighty deeds with His arm;
He has scattered those who were proud in the thoughts of
their heart.
52
"He has brought down rulers from their thrones,
And has exalted those who were humble.
53
"HE HAS FILLED THE HUNGRY WITH GOOD THINGS;
And sent away the rich empty-handed.

54
"He has given help to Israel His servant,
In remembrance of His mercy,
55
As He spoke to our fathers,
To Abraham and his descendants forever."

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968. ts 530 display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-01 12:23:59 UTC
From: kb0wd
Topic: 968 Message: 968

I have a ts 530 with no readout.. just a last digit 0

checked all connectons..

freeze spray to large board chip ...display 57.185 or runs

up to 57.00000 from 33.00000

any ideas

thanks Rich

969. External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-01 17:44:16 UTC
From: José Pedro Alvarez C.
Topic: 969 Message: 969

Hello all,

Thanks for the Holiday Blessings, I hope they reach all our list members and their families.

Regarding our beloved radios, the radio side connector of the external VFO of my TS-820 was recently broken.

I haven't been able to find the connector at all, it is so hard to find here that a previous owner of the VFO had the connector to the VFO side eliminated (now the cable enters the VFO back through a hole and is permanently connected).

Most of my operation is simplex to there is no real hurry in getting the connector but nevertheless I (and I guess most of us) like to have all my gear in working order.

So anyone knows where that connector may be found.

Thanks in advance.

Jose Pedro CA3RVF
Santiago, Chile

970. Re: External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-01 19:06:56 UTC
From: Jim
Topic: 969 Message: 970

Jose,

Try Kenwood Parts:

http://www.kenwoodusa.com/support/parts_dealers.jsp

There may also be a link off the Kenwood web site for your country.

> So anyone knows where that connector may be found.
>
> Thanks in advance.
>
> Jose Pedro CA3RVF
> Santiago, Chile

971. Re: [TS-520_820_530_830] External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 01:23:31 UTC
From: Bill K0ZL
Topic: 969 Message: 971

I think these are the nine pin, bakelite plugs that look like a miniature tube base, no?

I have them here.

bill

"Jos?_Pedro_Alvarez_C." <josepedro@...> wrote:
Hello all,

Thanks for the Holiday Blessings, I hope they reach all our list members and
their families.

Regarding our beloved radios, the radio side connector of the external VFO
of my TS-820 was recently broken.

I haven't been able to find the connector at all, it is so hard to find here
that a previous owner of the VFO had the connector to the VFO side
eliminated (now the cable enters the VFO back through a hole and is
permanently connected).

Most of my operation is simplex to there is no real hurry in getting the
connector but nevertheless I (and I guess most of us) like to have all my
gear in working order.

So anyone knows where that connector may be found.

Thanks in advance.

Jose Pedro CA3RVF
Santiago, Chile

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972. Re: External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 02:08:17 UTC
From: Jim
Topic: 969 Message: 972

Bill,

Definitely minature tube sockets! Right as usual.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> I think these are the nine pin, bakelite plugs that look like a
miniature tube base, no?
>
> I have them here.
>
> bill

973. 830 tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 03:03:08 UTC
From: ka9vaa
Topic: 973 Message: 973

I have a 520se and have always loaded it by the manual. Bias set to 60mA, I have seen a number of places saying that the bias for the 830 should be about 90mA for full output, I wonder if someone could comment on this as I now have a 830 also, I thought the two rigs where pretty much the same when loading. Also the 830 manual says about 60mA.

Thanks for your comments.

ka9vaa

974. Re: [TS-520_820_530_830] 830 tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 03:15:46 UTC
From: Dale Cole
Topic: 973 Message: 974

Ran an 830 for years pushing it to the limits (contester) and never had a bias problem when set at 60ma. Got to the point I rarely even checked it when QSYing. 830 is a solid rig. I have only heard one reciever that could match it--that was the Ten Tec Orion.....if you got the $$$
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Monday, December 01, 2003 10:06:11 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 830 tune up question

I have a 520se and have always loaded it by the manual. Bias set to 60mA, I have seen a number of places saying that the bias for the 830 should be about 90mA for full output, I wonder if someone could comment on this as I now have a 830 also, I thought the two rigs where pretty much the same when loading. Also the 830 manual says about 60mA.

Thanks for your comments.

ka9vaa

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975. Re: [TS-520_820_530_830] Re: External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 09:45:00 UTC
From: Uwe Sievers
Topic: 969 Message: 975

The plug has 9 pins... the minature sockets have only 7 pins...
so please be aware to get the 9 pin version....
73 de Uwe DJ9XG

On 2 Dec 2003 at 2:08, Jim wrote:

Bill,

Definitely minature tube sockets! Right as usual.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> I think these are the nine pin, bakelite plugs that look like a
miniature tube base, no?
>
> I have them here.
>
> bill

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976. RE: [TS-520_820_530_830] 830 tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 15:24:28 UTC
From: Bob Mackie
Topic: 973 Message: 976

Stick to what the manual says, to be safe. --- On Mon 12/01, ka9vaa < ka9vaa@... > wrote: From: ka9vaa [mailto: ka9vaa@...] To: TS-520_820_530_830@yahoogroups.com Date: Tue, 02 Dec 2003 03:03:08 -0000 Subject: [TS-520_820_530_830] 830 tune up question I have a 520se and have always loaded it by the manual. Bias set to
60mA, I have seen a number of places saying that the bias for the 830
should be about 90mA for full output, I wonder if someone could
comment on this as I now have a 830 also, I thought the two rigs
where pretty much the same when loading. Also the 830 manual says
about 60mA.

Thanks for your comments.

ka9vaa

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977. Re: [TS-520_820_530_830] Re: External VFO connector for TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 16:38:47 UTC
From: Bill K0ZL
Topic: 969 Message: 977

I have the nine pin plug, 9.00 USD plus postage to whereever.

b

Uwe Sievers <usievers@...> wrote:
The plug has 9 pins... the minature sockets have only 7 pins...
so please be aware to get the 9 pin version....
73 de Uwe DJ9XG

On 2 Dec 2003 at 2:08, Jim wrote:

Bill,

Definitely minature tube sockets! Right as usual.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> I think these are the nine pin, bakelite plugs that look like a
miniature tube base, no?
>
> I have them here.
>
> bill

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978. Re: [TS-520_820_530_830] 830 tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 18:39:51 UTC
From: Bill K0ZL
Topic: 973 Message: 978

I set them to about 30-40 mA, get good sig reports there.

b

ka9vaa <ka9vaa@...> wrote:
I have a 520se and have always loaded it by the manual. Bias set to
60mA, I have seen a number of places saying that the bias for the 830
should be about 90mA for full output, I wonder if someone could
comment on this as I now have a 830 also, I thought the two rigs
where pretty much the same when loading. Also the 830 manual says
about 60mA.

Thanks for your comments.

ka9vaa

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979. sw 2100

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-02 20:28:00 UTC
From: steelfoot427
Topic: 979 Message: 979

trying to find a manual for the sw2100 swr meter can anyone
help?
thanks
randy

980. Troubleshooting bad HV caps in the 520-830 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-03 15:23:50 UTC
From: Bill
Topic: 980 Message: 980

Since the High Voltage plate supply in these radios is a voltage doubler type, they can be tricky to spot if something goes wrong.

Since it is a doubler, it relies on the large black filter caps not only for ripple filtering, but also for getting a "leg up" on the desired plate voltage of 825 volts or so, depending on your line voltage.

If the set is blowing fuses with the TUBES OUT, suspect a shorted hi-v filter cap or two. Check them with an ohmmeter after everything has discharged. REPLACE BOTH CAPS if replacing one.

If the set shows low power output with known good set of tubes, or muddy TX audio, check the HV via the front panel meter. In SSB mode with no audio, note the HV plate voltage in TX mode. Then, reach around back and crank up the plate idle current to 150mA or so, or whistle up the mic (dummy load please!). If the plate voltage drops to less than 700, or about 20percent below the no-modulation voltage, you may have bad filter caps. Hey it's time to change them anyway.

Kenwood has obsoleted these. They wanted too much anyway.

I get mine from Digikey, p/n P7453-ND

they are same diameter but about 1" tall! Don't worry, they work just fine.

While you are at it, replace the 470K ohm, 1/2 watt carbon bleeders with same value, metal oxide film resistors. Also the little disk caps... I use 0.01/1kV jobs.

Also lift the rectifier unit and check for bad solder joints.. this board subject to lots of heat; resolder anything that looks remotely wierd. Except yer thumb of course.

Bill

981. Re: [TS-520_820_530_830] ts 530 display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-04 02:04:57 UTC
From: Bill K0ZL
Topic: 968 Message: 981

Check the sig into the counter; should be about 100mv p-p or better

b

kb0wd <rhinkel@...> wrote:
I have a ts 530 with no readout.. just a last digit 0

checked all connectons..

freeze spray to large board chip ...display 57.185 or runs

up to 57.00000 from 33.00000

any ideas

thanks Rich

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982. Kenwood R-1000

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-04 16:26:16 UTC
From: wxyz5812
Topic: 982 Message: 982

I have an old R-1000 general coverage receiver that has developed a problem with the fluorescent frequency display...essentially only parts of each digit are displayed. The service manual indicates the 'tube' part number is V40-7770-06, called an "indicating tube" 5-BT-05. Since I can't find evidence this tube is currently available, is anyone aware of repair shops that have either a good inventory of older parts, or can suggest a modification to use another type of frequency display? The receiver still can be used with the analog tuning...but comparably inaccurate. Thanks in advance.
David - WA5OUW

983. Re: [TS-520_820_530_830] Kenwood R-1000

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-04 23:45:00 UTC
From: Bill K0ZL
Topic: 982 Message: 983

www.pacparts.com

they have them at 30.56 each, not bad to bring back an oldie but goodie like this. The R-1000 was a great receiver.

b

wxyz5812 <wxyz5812@...> wrote:
I have an old R-1000 general coverage receiver that has developed a problem with the fluorescent frequency display...essentially only parts of each digit are displayed. The service manual indicates the 'tube' part number is V40-7770-06, called an "indicating tube" 5-BT-05. Since I can't find evidence this tube is currently available, is anyone aware of repair shops that have either a good inventory of older parts, or can suggest a modification to use another type of frequency display? The receiver still can be used with the analog tuning...but comparably inaccurate. Thanks in advance.
David - WA5OUW

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[Non-text portions of this message have been removed]

984. Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-04 19:26:19 UTC
From: Tim
Topic: 984 Message: 984

Does anyone in the group have experience hooking up a TS-520 to a sound card? I found some excellent sites with schematics, but has anyone tried this?

Thanks,

Tim
KC8YQR

985. Re: [TS-520_820_530_830] Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-05 14:16:20 UTC
From: william stephenson
Topic: 984 Message: 985

not hooked a 520 up but use my 530 with soundcard with very good results on
sstv, rtty, psk31.
Details were on one of the sites to build the interface, very simple to make
and the ptt is switched with just small run of the mill transistor conected
upto one of the serial ports on the pc.

73 de Bill G4KKI
----- Original Message -----
From: "Tim" <tklesch@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, December 04, 2003 7:26 PM
Subject: [TS-520_820_530_830] Sound Card hook up

>
> Does anyone in the group have experience hooking up a TS-520 to a
> sound card? I found some excellent sites with schematics, but has
> anyone tried this?
>
> Thanks,
>
> Tim
> KC8YQR
>
>
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>
>

986. Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-05 14:23:40 UTC
From: Jim
Topic: 984 Message: 986

I have hooked up my TS-820 to a sound card which is pretty much the same process. I built a level converter using a schematic I found on the ARRL site, only to discover that I really didn't need an interface at all. Just go down to Radio Shack, buy a couple of RCA to mini-plug adapters and a couple of mini-to-mini patch cords. Insert the adapters into your Phone In / Phone Out jacks, run the patch cords to your PC, and away you go. I run PSK and RTTY using this setup with nothing extra needed.

The trick to making this work is to make sure you have the sound level adjusted properly on the PC side. If you are a Windows user, this is done with the little slider controls on the task bar. You have to be careful to adjust the level so that it engages the VOX but not so high that it overdrives the software you are using. Fully plug and play compatible; just plug it in and play around until it works!

Somebody asked this same question about a month ago, you might have a look at some of the earlier responses in the message archive. Good luck.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Tim <tklesch@c...> wrote:
>
> Does anyone in the group have experience hooking up a TS-520 to a
> sound card? I found some excellent sites with schematics, but has
> anyone tried this?
>
> Thanks,
>
> Tim
> KC8YQR

987. Re: [TS-520_820_530_830] Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-05 15:04:53 UTC
From: Gary & Carrie Meyer
Topic: 984 Message: 987

I hooked my ts530s up directly to my laptop and it works good on SSTV and PSK. I did nothing special, just a piece of wire with the right jacks on the end.

KCØNPJ Gary

[Non-text portions of this message have been removed]

988. Re: [TS-520_820_530_830] Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-05 15:49:04 UTC
From: Bill K0ZL
Topic: 984 Message: 988

Tim, since most all of the interfaces you see work from the external speaker connector on the rigs, it will work with the TS-520 on receive, same as the other rigs.

For tx, use the phone patch input on the back of the 520.

b

Tim <tklesch@...> wrote:

Does anyone in the group have experience hooking up a TS-520 to a
sound card? I found some excellent sites with schematics, but has
anyone tried this?

Thanks,

Tim
KC8YQR

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989. re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 15:07:09 UTC
From: Tim
Topic: 989 Message: 989

Thanks to all for the input. I wasn't sure it would work, and now I know! I only wish to use it for cw mostly. Just got my ticket this week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

990. Re:sound card to ts520 etc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 15:15:32 UTC
From: james27613@att.net
Topic: 990 Message: 990

Hi,

I used the rascal kit but you can make your own from the plans here
including how to hookup the radio.

http://www.packetradio.com

Buck has great info all no charge.

73 james ke4drn

991. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 21:02:51 UTC
From: Bill K0ZL
Topic: 989 Message: 991

I can sked you and work 5wpm anytime eves, just let me know

b

Tim <tklesch@...> wrote:

Thanks to all for the input. I wasn't sure it would work, and now I
know! I only wish to use it for cw mostly. Just got my ticket this
week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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[Non-text portions of this message have been removed]

992. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 21:23:08 UTC
From: radionut
Topic: 989 Message: 992

---> My reply to what Bill K0ZL wrote 12/6/2003 3:02:51 PM

Would be happy to work some slow speed CW sometime

Mike KU4ZD

---------- Original Message ----------

Tim <tklesch@...> wrote:

Thanks to all for the input. I wasn't sure it would work, and now I
know! I only wish to use it for cw mostly. Just got my ticket this
week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

993. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 21:54:08 UTC
From: Gary & Carrie Meyer
Topic: 989 Message: 993

I would also enjoy some slow speed C W.

KCØNPJ Gary

[Non-text portions of this message have been removed]

994. Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 23:17:44 UTC
From: radionutmike
Topic: 984 Message: 994

Any time you connect a rig to your sound card it is wise (very wise) to use a 1:1 isolation transformer. In some cases you prevent a ground loop and hum that can result in poor performance. The main reason is the protection of your sound card from static and/or spikes that can damage it.

Mike

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> I have hooked up my TS-820 to a sound card which is pretty much the
> same process. I built a level converter using a schematic I found
> on the ARRL site, only to discover that I really didn't need an
> interface at all. Just go down to Radio Shack, buy a couple of RCA
> to mini-plug adapters and a couple of mini-to-mini patch cords.
> Insert the adapters into your Phone In / Phone Out jacks, run the
> patch cords to your PC, and away you go. I run PSK and RTTY using
> this setup with nothing extra needed.
>

995. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-06 23:32:50 UTC
From: G Bay
Topic: 989 Message: 995

Try around 7110 to 7100 I hear slower cw opps.
around there. Good luck and keep working the code
it's a lot of fun.
73
Gary WB3DSJ
PS. after 26 years I'm still not that fast

Tim <tklesch@...> wrote:

Thanks to all for the input. I wasn't sure it would work, and now I
know! I only wish to use it for cw mostly. Just got my ticket this
week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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996. TS820S VFO Drift.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 01:43:09 UTC
From: ab8pk
Topic: 996 Message: 996

Hello and Happy Holidays to all!
I have a TS820S with VFO drift. She will rise and fall a couple of hundred HZ every so often but it is getting worse! Any suggestions? I leave this rig on constantly with the heaters off to avoide the warm-up period. If I shut her down, the first hour the VFO is all over the place. She used to settle down to her rock solid self. No more "rock solid" even when she is left on! Also, I want to get a nice desk mic for this rig but have not been able to find the old MC-50 at the Hamfests or anywhere. Anyone have a opinion or recommendation on a mic for this rig? Thanks in advance!
Regards,
Mike ab8pk

997. Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 01:56:10 UTC
From: Jim
Topic: 997 Message: 997

I seem to have the well known digital display problem, and I also know that the suggested fix is to open the rig and clean the connectors. What is the suggested procedure here? Is Deoxit still the preferred product for cleaning up connectors and/or pots?

73,
Jim

998. Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 01:58:29 UTC
From: Jim
Topic: 984 Message: 998

--- In TS-520_820_530_830@yahoogroups.com, "radionutmike"
<radionutmike@m...> wrote:
> Any time you connect a rig to your sound card it is wise (very
wise)
> to use a 1:1 isolation transformer. In some cases you prevent a
> ground loop and hum that can result in poor performance. The main
> reason is the protection of your sound card from static and/or
spikes
> that can damage it.

Mike,

Actually, I found I had more hum problems with the transformer in line. I don't know whether it was my construction technique, or something else that I am overlooking but I quit using the circuit I built because it caused me more problems than it cured. What do you think the cause of the hum would be?

73,
Jim

999. Re: [TS-520_820_530_830] Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 02:27:28 UTC
From: radionut
Topic: 984 Message: 999

---> My reply to what Jim wrote 12/6/2003 7:58:29 PM

Jim, there should not be any hum introduced by a simple 1:1 isolation transformer (600 ohm). On the receive side of things (audio out from your rig to your line in) all you need to do is make sure you are using the correct taps on the transformer, The Primary side goes to the 'line in' on your sound card, the secondary goes to your radio. Use good shielded audio cable on both sides of the transformer (short as possible) and I always toss a ferrite core for RF suppression on the line just before the sound card..

Not every installation has a problem with a ground loop or hum but every installation without a isolation transformer has the potential to damage primarily the sound card. There are a lot of people who get by with direct connection but then there are a lot of people who have had to replace their sound card.

On the audio in (from the sound card to the mic input of the rig) most of the time you will have to attenuate the voltage from the sound card and use a 100:1 attenuation. You should still use a 1:1 isolation transformer here but add a capacitor and resistor for the attenuation. Here again put a ferrite core on the line just before the soundcard.

If you use PTT (and not vox) you should use a optocoupler to isolate.

In all these lines, good quality, shielded audio cable is important. You should keep your cable as short as possible and pay attention to the routing of your cable (keep it away from RF as much as possible).

Again, if there is no ground loop and hum a lot of people get away without isolation but it really is wise and not very expensive to do it right. I would be interested if you take a look at the interface you built with the above information in mind to learn what you find. There should be no reason for hum to be introduced (that I can see) with these ideas. I would also look to see what is causing the hum (interference) because if it is getting into your audio in this project it could also be causing you other problems.

One last thought, if you have to, you may put all the components into a metal box and ground it with only the shielded cables (grounded at the point they exit the metal box) outside the box. In most cases this would not be needed but could help in a pinch.

I hope this helps.

Mike
---------- Original Message ----------

Actually, I found I had more hum problems with the transformer in line. I don't know whether it was my construction technique, or something else that I am overlooking but I quit using the circuit I built because it caused me more problems than it cured. What do you think the cause of the hum would be?

73,
Jim

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

1000. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 03:01:28 UTC
From: Bill K0ZL
Topic: 989 Message: 1000

What bands do you have up?

I can do 40, 30, 20, and 10M. Probably 17 also

radionut <radionutmike@...> wrote:
---> My reply to what Bill K0ZL wrote 12/6/2003 3:02:51 PM

Would be happy to work some slow speed CW sometime

Mike KU4ZD

---------- Original Message ----------

Tim <tklesch@...> wrote:

Thanks to all for the input. I wasn't sure it would work, and now I
know! I only wish to use it for cw mostly. Just got my ticket this
week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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1001. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 00:59:03 UTC
From: Clair B
Topic: 989 Message: 1001

Any good CW op will answer you at the speed at which you are sending. If they don't, just turn the dial..Have Fun !

Clair K7IE

Thanks to all for the input. I wasn't sure it would work, and now I know! I only wish to use it for cw mostly. Just got my ticket this week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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1002. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 03:17:32 UTC
From: radionut
Topic: 989 Message: 1002

---> My reply to what Bill K0ZL wrote 12/6/2003 9:01:28 PM

Normally when I am on you can find me on 20 or 40 meter in the digital bands
but mostly go to 40 meters for CW.

---------- Original Message ----------

What bands do you have up?

I can do 40, 30, 20, and 10M. Probably 17 also

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

1003. Re: TS820S VFO Drift.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 10:11:59 UTC
From: falcon2448
Topic: 996 Message: 1003

You stated the VFO, when the 820S is shutdown and then
powered on, is all over the place. I assume you are
saying when it's just sitting, not being tuned. If
not then it might be the spring tension on the VFO
capacitor. I had the same problem with my 820S VFO
when turning the knob. The external VFO was fine.
Removed the VFO and it's outter metal cover and bent,
slightly, then cleaned the connection between the spring
and the VFO cap and that fixed the erratic behavior.

Not sure if this is your problem since you didn't state
whether it occurs when turning the VFO knob.

Michael
DA1TNJ / WB8TNJ

--- In TS-520_820_530_830@yahoogroups.com, "ab8pk" <ab8pk@y...> wrote:
> Hello and Happy Holidays to all!
> I have a TS820S with VFO drift. She will rise and fall a couple of
> hundred HZ every so often but it is getting worse! Any suggestions? I
> leave this rig on constantly with the heaters off to avoide the warm-
> up period. If I shut her down, the first hour the VFO is all over the
> place. She used to settle down to her rock solid self. No more "rock
> solid" even when she is left on! Also, I want to get a nice desk mic
> for this rig but have not been able to find the old MC-50 at the
> Hamfests or anywhere. Anyone have a opinion or recommendation on a
> mic for this rig? Thanks in advance!
> Regards,
> Mike ab8pk

1004. Re:sound card to ts520 etc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 10:15:52 UTC
From: falcon2448
Topic: 990 Message: 1004

The Rascal is an inexpensive interface that should
work fine with the 520/520S/520SE. These
rigs has the patch in/out connections on the back
and you can use VOX to key the rig. If you want
PTT then an additional connection will have to be
made using the Rascal OPTO isolator circuit. I have
one of the first Rascal interfaces, don't care for the
heavy cabling, yet it works just fine on RTTY, SSTV
and PSK-31 to name a few with my Kenwood and Yaesu rigs.

73's

Michael
DA1TNJ / WB8TNJ

--- In TS-520_820_530_830@yahoogroups.com, james27613@a... wrote:
> Hi,
>
> I used the rascal kit but you can make your own from the plans here
> including how to hookup the radio.
>
> http://www.packetradio.com
>
> Buck has great info all no charge.
>
> 73 james ke4drn

1005. Re: Slow CW Yahoo group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 14:38:52 UTC
From: james27613@att.net
Topic: 1005 Message: 1005

FYI

For those that want to sched slow cw

QRS-CW-unsubscribe@yahoogroups.com

73 james ke4drn

1006. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 15:40:19 UTC
From: Bill K0ZL
Topic: 989 Message: 1006

If I am working a guy and it seems like he needs just a bit of a "pull", I will pick up the CHARACTER speed but leave the word spacing where it was.

Share a story with ya:
One morning, got off work from my gyd job, had a brewski and got on 30M... ran into a friend of mine, Jim W0CML, on his way to work. We started about 25wpm... Jim is a high speed operator and we have spoken many times in person and on 2m so I know what he "talks like"... I finally put down my pen, sat back in the chair and started to LISTEN.. when we finished up, he was at work and I was at 35 wpm. Just like that, one QSO.

Apply the same percentage to 5 wpm, you get 8-9 wpm... 10wpm? 13! 15 will get ya 20.

Another trick: do field day. CW. Log. Log for a cw op. soon you will start hearing the calls, maybe better than he or she does... as was my case. I started picking the calls out of the clatter (NO CW FILTER on that rig!) and the op saw that. Soon he turned the key over to me, and I was working them! I came into that field day at 8 wpm and went out at 13++! I went right down that week and took the 13 wpm and the general. The fcc guy (we had to go the offices then) said, "why not take the Advanced too, you might pass it", and I did, and I did.

Novice to Advanced in one week, because of a contest.

73 all,

Bill K0ZL

Clair B <k7ie@...> wrote:
Any good CW op will answer you at the speed at which you are sending. If they don't, just turn the dial..Have Fun !

Clair K7IE

Thanks to all for the input. I wasn't sure it would work, and now I
know! I only wish to use it for cw mostly. Just got my ticket this
week, and 99% of the cw ops are ~way~ over my head speed wise.
8-)

73,

Tim
KC8YQR

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1007. Re: [TS-520_820_530_830] TS820S VFO Drift.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 15:46:06 UTC
From: Bill K0ZL
Topic: 996 Message: 1007

The rear wiper on the variable cap for the vfo needs to be cleaned, also there may be a problem with the regulated voltage going to the VFO, or a dirty RIT switch or pot.

bill

ab8pk <ab8pk@...> wrote:
Hello and Happy Holidays to all!
I have a TS820S with VFO drift. She will rise and fall a couple of hundred HZ every so often but it is getting worse! Any suggestions? I leave this rig on constantly with the heaters off to avoide the warm-up period. If I shut her down, the first hour the VFO is all over the place. She used to settle down to her rock solid self. No more "rock solid" even when she is left on! Also, I want to get a nice desk mic for this rig but have not been able to find the old MC-50 at the Hamfests or anywhere. Anyone have a opinion or recommendation on a mic for this rig? Thanks in advance!
Regards,
Mike ab8pk

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[Non-text portions of this message have been removed]

1008. Re: [TS-520_820_530_830] Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 15:48:37 UTC
From: Bill K0ZL
Topic: 997 Message: 1008

You can use DeOxIt, I prefer the companion Cailube MCL.

b
Jim <K1ZC@...> wrote:
I seem to have the well known digital display problem, and I also
know that the suggested fix is to open the rig and clean the
connectors. What is the suggested procedure here? Is Deoxit still
the preferred product for cleaning up connectors and/or pots?

73,
Jim

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[Non-text portions of this message have been removed]

1009. Re: [TS-520_820_530_830] Re: Slow CW Yahoo group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 15:55:45 UTC
From: af4ld@aol.com
Topic: 1005 Message: 1009

In a message dated 12/7/03 9:40:25 AM Eastern Standard Time, james27613@... writes: > Subj: [TS-520_820_530_830] Re: Slow CW Yahoo group > Date: 12/7/03 9:40:25 AM Eastern Standard Time > From: james27613@... > Reply-to: TS-520_820_530_830@yahoogroups.com > To: TS-520_820_530_830@yahoogroups.com > > > > > FYI > > For those that want to sched slow cw > > QRS-CW-unsubscribe@yahoogroups.com > > > > Why would anyone want to send a message to "Unsubscribe" if one wanted to join or get information from a Yahoo group? I would think the message would have to be sent to QRS-CW-subscribe@yahoogroups.com or one would just go to the yahoogroups webpage and sign up. 73 Gary .- ..-. ....- .-.. -.. [Non-text portions of this message have been removed]

1010. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 16:00:36 UTC
From: Bill K0ZL
Topic: 989 Message: 1010

Listening 7115 or thereabouts now from Denver. 1600Z sunday

radionut <radionutmike@...> wrote:---> My reply to what Bill K0ZL wrote 12/6/2003 9:01:28 PM

Normally when I am on you can find me on 20 or 40 meter in the digital bands
but mostly go to 40 meters for CW.

---------- Original Message ----------

What bands do you have up?

I can do 40, 30, 20, and 10M. Probably 17 also

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

1011. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 16:25:03 UTC
From: af4ld@aol.com
Topic: 989 Message: 1011

In a message dated 12/7/03 10:42:59 AM Eastern Standard Time,
coorsbill@... writes:

> Another trick: do field day. CW. Log. Log for a cw op. soon you will start
> hearing the calls, maybe better than he or she does... as was my case. I
> started picking the calls out of the clatter (NO CW FILTER on that rig!) and the
> op saw that. Soon he turned the key over to me, and I was working them! I
> came into that field day at 8 wpm and went out at 13++! I went right down
> that week and took the 13 wpm and the general. The fcc guy (we had to go the
> offices then) said, "why not take the Advanced too, you might pass it", and I
> did, and I did.
>
> Novice to Advanced in one week, because of a contest.
>
> 73 all,
>
> Bill K0ZL
>
>

Hi all

I struggled through 20 WPM for my extra exam and had not done any on the air CW up to that point. I, like many I know, thought once I got my license I would never use CW. Boy was I wrong. I had been participating in a club that runs worked all states nets in most all the modes. I had been on the SSB nets about a year when I got up the courage to try the CW nets. What I found was the net was a less threatening way to build up confidence and speed. The exchanges mostly consisted of call signs signal reports. (just like a contest but less frantic) It doesn't take long to get real good with those. The object of the nets is to make contacts and exchange QSL cards. (We even have a free QSL bureau to handle the exchange of cards. All one has to do is keep a few SASEs in the bureau) The net control stations are usually very patient especially with folks new to code and will respond at the speed someone checks in at. Sometimes it is hard for new stations to comprehend the up and backs but when the new station is called everyone slows down for him. Great way to ease into CW without having to hold long QSOs. There's also several of us that will send info on the Q signals used and such. From there I joined FISTS and my code improved greatly. Info on the 3905 Century Club CW and other nets can be found at www.3905ccn.com. We have CW nets on 20, 40 and 80 meters.

If you have any other questions pse contact me off reflector and I will try to answer them.

73

Gary .- ..-. ....- .-.. -..

[Non-text portions of this message have been removed]

1012. Re: [TS-520_820_530_830] Re: Slow CW Yahoo group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 16:31:52 UTC
From: Bill K0ZL
Topic: 1005 Message: 1012

Unsubscribe?

b

james27613@... wrote:
FYI

For those that want to sched slow cw

QRS-CW-unsubscribe@yahoogroups.com

73 james ke4drn

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[Non-text portions of this message have been removed]

1013. Re: [TS-520_820_530_830] Re: Slow CW Yahoo group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-07 16:31:52 UTC
From: Bill K0ZL
Topic: 1005 Message: 1013

Unsubscribe?

b

james27613@... wrote:
FYI

For those that want to sched slow cw

QRS-CW-unsubscribe@yahoogroups.com

73 james ke4drn

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[Non-text portions of this message have been removed]

1014. RE: [TS-520_820_530_830] Re: Sound Card hook up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-08 02:38:04 UTC
From: David C. Williams
Topic: 984 Message: 1014

I had a hum when I connected the phone patch out from the ts-820s to my soundcard. I found that if I plugged in just the tip of the RCA cable, the hum went away. So to test it I took an old rca cable and cut the shield around the center insulator leaving the center intact. I then simply used an RCA to 1/8 mini converter to go into the soundcard. The hum went away. Not sure why. I then tested the conductivity between the center conductor and the case of the rig, BEEEEEEP! Why would the center conductor be connected to ground? Something wrong inside maybe? But the signal is clear as a bell with no hum with the shield disconnected. I suppose I need an isolation transformer but just thought I would throw this out there.

Dave
KF4CQS

-----Original Message-----
From: radionut [mailto:radionutmike@...]
Sent: Saturday, December 06, 2003 9:27 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: Sound Card hook up

---> My reply to what Jim wrote 12/6/2003 7:58:29 PM

Jim, there should not be any hum introduced by a simple 1:1 isolation transformer (600 ohm). On the receive side of things (audio out from your rig
to your line in) all you need to do is make sure you are using the correct taps on the transformer, The Primary side goes to the 'line in' on your sound
card, the secondary goes to your radio. Use good shielded audio cable on both
sides of the transformer (short as possible) and I always toss a ferrite core
for RF suppression on the line just before the sound card..

Not every installation has a problem with a ground loop or hum but every installation without a isolation transformer has the potential to damage primarily the sound card. There are a lot of people who get by with direct connection but then there are a lot of people who have had to replace their
sound card.

On the audio in (from the sound card to the mic input of the rig) most of the
time you will have to attenuate the voltage from the sound card and use a 100:1 attenuation. You should still use a 1:1 isolation transformer here but

add a capacitor and resistor for the attenuation. Here again put a ferrite core on the line just before the soundcard.

If you use PTT (and not vox) you should use a optocoupler to isolate.

In all these lines, good quality, shielded audio cable is important. You should keep your cable as short as possible and pay attention to the routing
of your cable (keep it away from RF as much as possible).

Again, if there is no ground loop and hum a lot of people get away without isolation but it really is wise and not very expensive to do it right. I would
be interested if you take a look at the interface you built with the above information in mind to learn what you find. There should be no reason for hum
to be introduced (that I can see) with these ideas. I would also look to see
what is causing the hum (interference) because if it is getting into your audio in this project it could also be causing you other problems.

One last thought, if you have to, you may put all the components into a metal
box and ground it with only the shielded cables (grounded at the point they
exit the metal box) outside the box. In most cases this would not be needed
but could help in a pinch.

I hope this helps.

Mike
---------- Original Message ----------

Actually, I found I had more hum problems with the transformer in line. I don't know whether it was my construction technique, or something else that I am overlooking but I quit using the circuit I built because it caused me more problems than it cured. What do you think the cause of the hum would be?

73,
Jim

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

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1015. Re: slow cw yahoo group corrected !

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-08 21:51:15 UTC
From: james27613@att.net
Topic: 1015 Message: 1015

Yahoo group to sched slow cw is

QRS-CW-subscribe@yahoogroups.com

Sorry for previous incorrect post.

73 james

1016. TS-700SP Repeater switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-09 12:21:04 UTC
From: falcon2448
Topic: 1016 Message: 1016

My TS-700SP all mode repeater function doesn't work
properly. First, let me say the TS-700SP works when the
"REPEATER" switch is in the "OFF" and "REV" position and
has power output. However, when the "REPEATER" is in
the "NORMAL" position there is no power out, none, zilch,...

In CW, SSB and AM, there's good power out and is adjustable
using the front panel gain control in the upper right. This
control also varies the output when in FM "OFF" and "REV" as
well.

I checked the Low/High power push button on the front panel
and in either position, FM "NORMAL" produces no power out.

Inside, top/front of the main board are 2 rows of crystal
sockets. The one on the left is for the "FIXED" position
switch and the one on the right, I assume, and we all know
what "assuming" does, are required for proper operation of
the rig although they are not described in the pdf copy of
the manual I have. The schematic, very very poor quality,
doesn't show them or at least I can't find them. The manual
doesn't indicate what crystal is to be in what socket on the
right either. I'm not the original owner so I can't say
that the "NORMAL" position of the "REPEATER" switch has
ever worked or when it stopped working. I can't hear
anything on my handie when dialing up, on my handie,
the -600khz frequency when the rig is in "NORMAL" FM
repeater mode. I can, however, hear the rig when it's
in "OFF" and "REV".

Receive works fine in all modes, exactly the manual, what
parts I can read, says it should. I'm thinking it's either
a switch problem or one of those crystals on the right side
of the main board. Any ideas???

Also is the meter suppose to indicate power out? There is a
picture in the manual that indicates it should give an
indication of power out when keyed. There's a scale
on the meter for it yet when there is power out the meter doesn't
indicate anything, stays to the far left of the meter scale.
The only indication I get is on the SWR meter I have between
the rig and my dummy load. The meter works fine in receive
and/or center. In receive, depending on the meter switch position,
it functions properly, received signals, depending on their
strength, shows and indication as does the "CENTER" mode for the
meter.

I do not have the remote VFO, only using internal VFO with plug on the back of the rig. The plug came with the rig so I'm not sure if it's the right one.

73's,

Michael
DA1TNJ / WB8TNJ

1017. Re: [TS-520_820_530_830] TS-700SP Repeater switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-09 18:24:13 UTC
From: Peter A Markavage
Topic: 1016 Message: 1017

Your statement >"In CW, SSB and AM, there's good power out and is
adjustable
using the front panel gain control in the upper right. This control also
varies the output when in FM "OFF" and "REV" as well."
There is no front panel gain control in the upper right to adjust output.
Upper right control is "drive" and should always be adjusted for maximum,
as you move around the band. Power output is either, high or low, and
it's controlled on the front panel by the push button to the right of the
meter.

The crystal socket on the left holds crystals for any of the 11 positions
controlled by the front panel "fixed" switch. They normally come with no
crystals installed from the manufacturer. The 6 crystals on the right
control the various band segments, 144, 145, etc. as the "band" switch is
turned and repeater offset. The crystal info for both is shown on the
left side of the schematic sheet, on HET UNIT (X50-1410-11) drawing. The
11 position diagram is directly below this drawing and the band switch
diagram is left of this drawing. Repeater offset crystal, one of the 6
mentioned above, the repeater switch, or more likely, the RL1 relay,
would be the first places to troubleshoot. The relay is a 6 pole double
throw and source of many troubles.

When transmitting, RF power should be viewable in all modes on the meter.
Check diode D10 and also VR3 (power output meter adjustment) on the RX NB
board(X55-1210-00).

Pete, WA2CWA

On Tue, 09 Dec 2003 12:21:04 -0000 "falcon2448" <mwaldrop@...> writes:
My TS-700SP all mode repeater function doesn't work
properly. First, let me say the TS-700SP works when the
"REPEATER" switch is in the "OFF" and "REV" position and
has power output. However, when the "REPEATER" is in
the "NORMAL" position there is no power out, none, zilch,...

In CW, SSB and AM, there's good power out and is adjustable
using the front panel gain control in the upper right. This
control also varies the output when in FM "OFF" and "REV" as
well.

I checked the Low/High power push button on the front panel
and in either position, FM "NORMAL" produces no power out.

Inside, top/front of the main board are 2 rows of crystal
sockets. The one on the left is for the "FIXED" position
switch and the one on the right, I assume, and we all know
what "assuming" does, are required for proper operation of

the rig although they are not described in the pdf copy of the manual I have. The schematic, very very poor quality, doesn't show them or at least I can't find them. The manual doesn't indicate what crystal is to be in what socket on the right either. I'm not the original owner so I can't say that the "NORMAL" position of the "REPEATER" switch has ever worked or when it stopped working. I can't hear anything on my handie when dialing up, on my handie, the -600khz frequency when the rig is in "NORMAL" FM repeater mode. I can, however, hear the rig when it's in "OFF" and "REV".

Receive works fine in all modes, exactly the manual, what parts I can read, says it should. I'm thinking it's either a switch problem or one of those crystals on the right side of the main board. Any ideas???

Also is the meter suppose to indicate power out? There is a picture in the manual that indicates it should give an indication of power out when keyed. There's a scale on the meter for it yet when there is power out the meter doesn't indicate anything, stays to the far left of the meter scale. The only indication I get is on the SWR meter I have between the rig and my dummy load. The meter works fine in receive and/or center. In receive, depending on the meter switch position, it functions properly, received signals, depending on their strength, shows and indication as does the "CENTER" mode for the meter.

I do not have the remote VFO, only using internal VFO with plug on the back of the rig. The plug came with the rig so I'm not sure if it's the right one.

73's,

Michael
DA1TNJ / WB8TNJ

[Non-text portions of this message have been removed]

1018. Re: [TS-520_820_530_830] Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-09 22:41:25 UTC
From: Corky Kirk
Topic: 997 Message: 1018

12-9-03
Bill,
Both are Good! But be sure to use the Caig
"PreserveIT" after cleaning. It will keep the contacts
clean, lubricated and also preserve the conductivity.
I have 3 TS-820S and have only had to clean the
Digital display contacts ONCE in this High
humidity/warm temperature locatiion.
73,
Corky W6ORS
Hilo HI

--- Bill K0ZL <coorsbill@...> wrote:
> You can use DeOxIt, I prefer the companion Cailube
> MCL.
>
> b
> Jim <K1ZC@...> wrote:
> I seem to have the well known digital display
> problem, and I also
> know that the suggested fix is to open the rig and
> clean the
> connectors. What is the suggested procedure here?
> Is Deoxit still
> the preferred product for cleaning up connectors
> and/or pots?
>
> 73,
> Jim
>
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> Schwarzenegger in "Predator"

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1019. Re: [TS-520_820_530_830] Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-10 04:44:34 UTC
From: Bill K0ZL
Topic: 997 Message: 1019

Thanks Corky!

b

Corky Kirk <w6ors@...> wrote:
12-9-03
Bill,
Both are Good! But be sure to use the Caig
"PreserveIT" after cleaning. It will keep the contacts
clean, lubricated and also preserve the conductivity.
I have 3 TS-820S and have only had to clean the
Digital display contacts ONCE in this High
humidity/warm temperature locatiion.
73,
Corky W6ORS
Hilo HI

--- Bill K0ZL <coorsbill@...> wrote:
> You can use DeOxIt, I prefer the companion Cailube
> MCL.
>
> b
> Jim <K1ZC@...> wrote:
> I seem to have the well known digital display
> problem, and I also
> know that the suggested fix is to open the rig and
> clean the
> connectors. What is the suggested procedure here?
> Is Deoxit still
> the preferred product for cleaning up connectors
> and/or pots?
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> 73,
> Jim
>
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> "If it bleeds, we can kill it" --Arnold
> Schwarzenegger in "Predator"
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[Non-text portions of this message have been removed]

1020. Re: Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-10 15:17:17 UTC
From: Jim
Topic: 997 Message: 1020

Corky,

Yes, thanks for mentioning that. That inspired me to visit the Caig web site and it looks like the "mini-spray" kit is the way to go. For those that have not been there, the manufacturer offers a kit with Deoxit, Cailube MCL, PreserveIT, and ProGold for about $22. Should be just what I need, so thanks for passing along the suggestion.

And thanks to Bill as well for starting one of the more useful sites on Yahoo.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Corky Kirk <w6ors@y...> wrote:
> 12-9-03
> Bill,
> Both are Good! But be sure to use the Caig
> "PreserveIT" after cleaning. It will keep the contacts
> clean, lubricated and also preserve the conductivity.
> I have 3 TS-820S and have only had to clean the
> Digital display contacts ONCE in this High
> humidity/warm temperature locatiion.
> 73,
> Corky W6ORS
> Hilo HI

1021. Re: [TS-520_820_530_830] Re: Digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-10 15:53:50 UTC
From: Bill K0ZL
Topic: 997 Message: 1021

Thanks also to Corky, Jim and everyone for contributing. There are plenty of dead groups out there; this one ain't one of 'em, thanks to y'all.

bill

Jim <K1ZC@...> wrote:
Corky,

Yes, thanks for mentioning that. That inspired me to visit the Caig web site and it looks like the "mini-spray" kit is the way to go. For those that have not been there, the manufacturer offers a kit with Deoxit, Cailube MCL, PreserveIT, and ProGold for about $22. Should be just what I need, so thanks for passing along the suggestion.

And thanks to Bill as well for starting one of the more useful sites on Yahoo.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Corky Kirk <w6ors@y...> wrote:
> 12-9-03
> Bill,
> Both are Good! But be sure to use the Caig
> "PreserveIT" after cleaning. It will keep the contacts
> clean, lubricated and also preserve the conductivity.
> I have 3 TS-820S and have only had to clean the
> Digital display contacts ONCE in this High
> humidity/warm temperature locatiion.
> 73,
> Corky W6ORS
> Hilo HI

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[Non-text portions of this message have been removed]

1022. Interface cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-14 19:18:45 UTC
From: David A. Echols
Topic: 1022 Message: 1022

Harold, I have recieved my cables! And I wanted to thank you,ever soooo much!I was not expecting you to make them up for me.For I would have truely bought them.I do see that there are truely GOOD people in this world.And YOU Harold are one of them!I hope that you and you're familly have a most wonderful Christmass & the best of a New Year! Now ,I can see if I can return the favor,and pass on what I can,to others.....73's & 88's Your friend David Echols in Edgewater Fla>32132

1023. Neutralization 830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-15 10:13:16 UTC
From: ka9vaa
Topic: 1023 Message: 1023

My 830 out put has dropped to 15w on 17m to 45 on 80m, I would like to replace all tubes in it but I am worried about the neutralization of them. I do not have a rf volt meter I do have a 820 and a 520 I could use as suggested in the manual to tune to a minimum s meter reading although I have read this is not the best way , has anyone tried it using a receiver? I also read a vtvm can be used with a rf probe and a probe can be made easily from a few parts, only I can not find a schematic for one, any suggestion?

Thank you for any suggestion.

Tom ka9vaa

1024. Re: Neutralization 830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-15 12:29:52 UTC
From: gary rose
Topic: 1023 Message: 1024

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> My 830 out put has dropped to 15w on 17m to 45 on 80m, I would like
> to replace all tubes in it but I am worried about the
neutralization
> of them. I do not have a rf volt meter I do have a 820 and a 520 I
> could use as suggested in the manual to tune to a minimum s meter
> reading although I have read this is not the best way , has anyone
> tried it using a receiver? I also read a vtvm can be used with a rf
> probe and a probe can be made easily from a few parts, only I can
not
> find a schematic for one, any suggestion?
>
> Thank you for any suggestion.
>
> Tom ka9vaa hi i did my ts530s for min s meter reading and my
one is fine

1025. Re: [TS-520_820_530_830] Neutralization 830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-15 15:39:25 UTC
From: Bill K0ZL
Topic: 1023 Message: 1025

Here is how you test your tubes:

First, in SSB mode, no mic, key up and adjust the idle plate current up as high as it will go. You should be able to see at least 150 mA. Then watch it for 3 seconds only.

If the plate current stays steady, you have good finals.

If the plate current comes up then drops off by itself noticeably, or if you cannot get past 150mA, you have bad finals.

Reset plate current to 60mA (I use 35-45 mA but that's just me).

Now, tune in TUNE mode; peak the driver for max ALC reading, reducing CAR as needed to keep ALC reading on-scale. Unkey for few seconds. Key up again, and watch the ALC reading. If it comes up, then stays there, the driver is OK. If it comes up then drops off noticeably, the driver tube is bad.

If the tubes check OK and you still only have 15 watts out, (what band?) you may just need an alignment, or some other component has failed.

To neutralize, all you need is dummy load and insulated screwdriver. The neutralizing cap will have the plate voltage for the PA tubes on it so be careful.

TO CHECK NEUTRALIZATION:
Tune for max smoke on 20m into dummy load. Switch meter to plate current and watch the dip as you rotate the PLATE tuning control back and forth. The plate current should rise smoothly on either side of the dip, to about the same level either side (reduce CAR control as needed to get the "headroom" you need). Also, watching the power meter on the dummy load, the max output should coincide with the plate current dip. If it does, leave it alone.

TO ADJUST NEUTRALIZATION:
Remove the covers for the rig, and located the neutralizing cap, just ahead of the PA section tube sockets. It will be an air variable. Find an INSULATED screwdriver; the cap will have 800 volts on it. Use heat-shrink on the shank of a screwdriver or use a stout plastic one.

Tune rig for max smoke into dummy load. Check neutralization as before, rocking PLATE control back and forth and noticing both the plate current swing on either side of resonance and max power output tuning point. Unkey, and carefully adjust the variable cap one way or the other. Key up and check again; if the problem is worse, go back the other way on the cap. If it's better but still needs more, give it more movement that same way. When the plate dip coincides with max power output, AND the plate current rises roughly equally on either side of the dip, you are done.

POSTSCRIPT:
Some 12BY7's exhibit instability in some rigs. Check by tuning the rig for max smoke on 10, 15 and 20 meters (need to check all three). Rock the DRIVE or PRESELECT tuning control all

the way from one end, through resonance, to the other. Then go back the other way. Plate current and power output should smoothly increase towards resonance, then smoothly decrease, same thing when moving the control the other way. If you notice ANY instability on ANY band, replace the driver tube and realign the RF deck. SAVE tho tube that was unstable... it can be used in another rig!

Stock up on 12BY7's... believe it or not, lightly used ones are better stability-wise than NOS. I don't favor any particular brand; I have seen unstable tubes from all manufacturers in many rigs, replace the tube, use that tube in yet another rig, everything is fine. The BEST 12BY7's are the ones that Tektronix used in their boat-anchor scopes. You can find these on eBay from time to time.

Use only 6146B tubes in these rigs; they have 35 watt plate dissipation ratings, vs. 25 watts for ALL OTHER 6146 versions (even the W's--don't let the ads fool you). You CAN run 6146A or 6146W tubes, but they will only last ten years, not fifteen. :)

73,

Bill

Locate the neutralizing cap, some rigs it requires removal of the PA cage; on the 520-830s, you can get to it from underneath I believe.

N

bill

ka9vaa <ka9vaa@...> wrote:
My 830 out put has dropped to 15w on 17m to 45 on 80m, I would like
to replace all tubes in it but I am worried about the neutralization
of them. I do not have a rf volt meter I do have a 820 and a 520 I
could use as suggested in the manual to tune to a minimum s meter
reading although I have read this is not the best way , has anyone
tried it using a receiver? I also read a vtvm can be used with a rf
probe and a probe can be made easily from a few parts, only I can not
find a schematic for one, any suggestion?

Thank you for any suggestion.

Tom ka9vaa

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"If it bleeds, we can kill it" --Arnold Schwarzenegger in "Predator"

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[Non-text portions of this message have been removed]

1026. Grain of wheat bulbs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-21 22:11:34 UTC
From: Jim
Topic: 1026 Message: 1026

Yesterday I relamped my R-820 and, at the advice of a friend, I used model railroad lamps. The friend, a longtime owner of a TS-830, insists that they last longer since they are rated at a slightly higher voltage (16v). However, the new lamps tend to flicker when a strong signal is swinging the S-meter on CW. I am assuming this is not good. Is the best to go back inside and replace these with the 12 or 13.8V lamps from Rat Shack, or is something else causing this problem. All I did was relamp it, honest :-).

Also, does anybody have a link to a scanned service manual for the R-820? BAMA doesn't have one and I have not seen one anywhere else. In the alternative, can somebody tell me which dip switch on the filters board is number 1 and which is number 9? Even though the seller swore the R-820 didn't have any filters installed, Santa came early this year and it seems the entire board is filled with all the original Kenwood filters. However, I suspect the switches are set in reverse order from what they are supposed to be.

Merry Christmas to all.

1027. cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-21 22:41:20 UTC
From: Nigel
Topic: 1027 Message: 1027

can anyone tell me how difficult it
is to fit a cw filter into a
ts530sp.all the best from nigel

1028. Re: [TS-520_820_530_830] re: Soundcard

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-21 23:22:06 UTC
From: DW
Topic: 989 Message: 1028

For those interested in slow speed CW, there is a
group here on Yahoo called QRS-CW, or CW-QRS.
One of the guys has set up a website for live
spots, & sked setups.

DW
--- Gary & Carrie Meyer <meyer@...>
wrote:
>
>
>
> I would also enjoy some slow speed C W.
>
> KC?NPJ
> Gary
>
> [Non-text portions of this message have been
> removed]
>
>
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>

=====
DW White

KE6WYB, Shasta County, CA, CN80

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

_____
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1029. Re: [TS-520_820_530_830] cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 11:18:01 UTC
From: Bill K0ZL
Topic: 1027 Message: 1029

It's a solder-in filter, if you use the stock Kenwood filter. If you buy an Inrad, you may have to mount it off the board and use sticky tape and short length of coax to connect to the IF unit.

bill

Nigel <nhead1@...> wrote:
can anyone tell me how difficult it
is to fit a cw filter into a
ts530sp.all the best from nigel

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[Non-text portions of this message have been removed]

1030. RE:Re: [TS-520_820_530_830] cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 13:19:36 UTC
From: nhead1@cwctv.net
Topic: 1027 Message: 1030

Hi Bill thank you for your reply. i have a couple of questions.I think i read somewhere that if you do not fit a ssb filter that you can fit two different cw filters.In the handbook it states that the cw filters for the ts530sp are YK-88C 500 Hz and yk-88cn 270hZ . I have found two filters advertised but they are YK-88C-1 and YK-88CN-1 will these work in the ft530sp or not.Any advice would be most welcome. All the best from Nigel

NIGEL HEAD

On Mon, 22 Dec 2003 03:18:01 -0800 (PST) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

1031. RE:Re: [TS-520_820_530_830] cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 14:27:42 UTC
From: Dale Cole
Topic: 1027 Message: 1031

Nigel:
The "C" filters fit the older units and are a solder in unit ; i.e. 530, 830, etc. The "C-1"" filters are a drop in filter for newer units, i.e. 900 series and I believe the *70 series.
Dale Cole K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Monday, December 22, 2003 08:20:28 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE:Re: [TS-520_820_530_830] cw filter

Hi Bill thank you for your reply. i have a couple of questions.I think i read somewhere that if you do not fit a ssb filter that you can fit two different cw filters.In the handbook it states that the cw filters for the ts530sp are YK-88C 500 Hz and yk-88cn 270hZ . I have found two filters advertised but they are YK-88C-1 and YK-88CN-1 will these work in the ft530sp or not.Any advice would be most welcome. All the best from Nigel

NIGEL HEAD

On Mon, 22 Dec 2003 03:18:01 -0800 (PST) Bill K0ZL <coorsbill@...>
wrote:

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

1032. RE:Re: [TS-520_820_530_830] cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 14:37:43 UTC
From: Bill K0ZL
Topic: 1027 Message: 1032

No Nigel, the -1 are for the 450/690/850/570 series of radio. slightly different if freqs.

YK-88C or CN only sir.

Get the 270.. you will enjoy the added selectivity if you work a lot of CW

If you are just a casual operator and not doing ANY contesting at ALL now or in the future, get the 500... easier to tune.

73,

Bill

nhead1@... wrote:
Hi Bill thank you for your reply. i have a couple of questions.I think i read somewhere that if you do not fit a ssb filter that you can fit two different cw filters.In the handbook it states that the cw filters for the ts530sp are YK-88C 500 Hz and yk-88cn 270hZ . I have found two filters advertised but they are YK-88C-1 and YK-88CN-1 will these work in the ft530sp or not.Any advice would be most welcome. All the best from Nigel

NIGEL HEAD

On Mon, 22 Dec 2003 03:18:01 -0800 (PST) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

1033. RE:Re: [TS-520_820_530_830] cw filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 18:07:47 UTC
From: nhead1@cwctv.net
Topic: 1027 Message: 1033

thanks for the advice Bill i will keep an eye open for the proper ones.all the best from Nigel.

NIGEL HEAD

On Mon, 22 Dec 2003 06:37:43 -0800 (PST) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

1034. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 23:22:07 UTC
From: Nigel
Topic: 1034 Message: 1034

if i fail to find a filter for the ts530sp does anyone have any experience of using a MFJ-784B DSP filter with the ts530sp . i ask because i use the radio 100% in cw mode and would like to sharpen things up a bit. sorry to be a pain all the best from Nigel

1035. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 00:05:05 UTC
From: Bill K0ZL
Topic: 1034 Message: 1035

Nigel if you use it that much, definitely get the
crystal filter... it will be worth the hassle.

As a CW op myself, I feel that the audio DSP units
basically all suck.

Nothing replaces a good Xtal filter, unless it's the
LC filters in the 50kHz IF of a Hallicrafters! hi

b

--- Nigel <nhead1@...> wrote:
> if i fail to find a filter for the
> ts530sp does anyone have any
> experience of using a MFJ-784B DSP
> filter with the ts530sp . i ask
> because i use the radio 100% in cw
> mode and would like to sharpen
> things up a bit. sorry to be a pain
> all the best from Nigel
>
>

=====

"If in doubt, MODIFY" --k0zl

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1036. New to list and have questions about the ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 00:53:50 UTC
From: jody
Topic: 1036 Message: 1036

Hi gang,

I'm not officially a licensed ham yet, but will be within 3 weeks or so. With costs of radio equipment being what they are, and having to live on a budget, I am forced to look at the older used radios. I noted with some amusement on the Eham reviews that many of the "older" radios are getting better reviews than many of the newer models released within the past couple years.

My personal focus is on the Kenwood ts-520s, for three reasons: 1. I understand it has its own internal power supply; 2. It appears to be built like a tank (good for camping), and 3. The cost factor. They seem to go for around $300 on Ebay. (I realize I need my General ticket to operate HF. But it doesn't hurt to start doing my homework in advance. As for working with my Tech license, I'm going to get a Yaesu ft-8800 to cover that gap.)

Regarding the ts-520s,I have a couple of questions:

1. When a radio has an internal power supply, does that mean it has plugs/prongs for plugging into a wall outlet at home?

2. As this is an older radio, are there any sources of parts for this rig, in case the one I buy turns out to need some work? Is there anyone out there who works on these older radios?

Thanks in advance for your input!

Jody

1037. RE:Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 08:32:02 UTC
From: nhead1@cwctv.net
Topic: 1034 Message: 1037

thanks for the advice Bill i will have to keep searching for one. all the best from Nigel

NIGEL HEAD

On Mon, 22 Dec 2003 16:05:05 -0800 (PST) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

1038. RE:[TS-520_820_530_830] New to list and have questions about the ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 08:44:13 UTC
From: nhead1@cwctv.net
Topic: 1036 Message: 1038

hi Jody the ts530 is a brillient radio but i would say that it was for use at home it is a little large for taking camping and weighs quite a bit.i would not swop mine for home use i love using it. a cheap radio that i pick up for camping is a yaesu ft7 still large compared to mobile rigs today but a good compromise it runs off of batteries or power pack.i think others will probably let you know about spares and repairs. so in my opinion for what it is worth the ts530 makes a great base radio but you will have to tune it properly.i am sure someothers will give you more useful answers. all the best from Nigel

NIGEL HEAD

On Tue, 23 Dec 2003 00:53:50 -0000 "jody" <irish_journeys@...> wrote:

[Non-text portions of this message have been removed]

1039. INRAD SSB Filter for TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 10:18:46 UTC
From: Werner, Klaus
Topic: 1039 Message: 1039

As an impulse buy, I picked up an INRAD SSB Filter
to fit the TS-520. Before I go ahead and fit:
Has anyone on the list replaced the Kennwood
factory-fitted SSB filter with the INRAD SSB filter?
What is the experience in terms of performance
improvement?
73 - Klaus - G7RTI

1040. Dead ts-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 10:32:25 UTC
From: ka9vaa
Topic: 1040 Message: 1040

Last night loading up on 20m something popped. A solder joint in a home made dummy load came undone. I replaced all tubes but still have no rf out, alc loads ok, shows 60ma bias but no rf. Can someone tell me where to start looking for whatever?

Thank you

1041. Re: [TS-520_820_530_830] Dead ts-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 10:50:53 UTC
From: Dale Cole
Topic: 1040 Message: 1041

check the diodes in the rf section. they can "pop" if presented with a high
SWR.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, December 23, 2003 05:32:30 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Dead ts-830s

Last night loading up on 20m something popped. A solder joint in a
home made dummy load came undone. I replaced all tubes but still have
no rf out, alc loads ok, shows 60ma bias but no rf. Can someone tell
me where to start looking for whatever?

Thank you

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[Non-text portions of this message have been removed]

1042. RE:[TS-520_820_530_830] INRAD SSB Filter for TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 11:22:08 UTC
From: nhead1@cwctv.net
Topic: 1039 Message: 1042

hope you do not mind me asking but where did you get the filter from. i am thinking of fitting a cw filter to my 530sp but having trouble finding one. all the best from Nigel M0dbo

NIGEL HEAD

On Tue, 23 Dec 2003 10:18:46 -0000 "Werner, Klaus" <klaus.werner@...> wrote:

[Non-text portions of this message have been removed]

1043. RE: [TS-520_820_530_830] New to list and have questions about the ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 11:36:06 UTC
From: Ken Nellis
Topic: 1036 Message: 1043

Jody:

I took approximately the route you plan. I bought a TS-820 with external VFO on eBay for $275, and an MC-50 mic for another 60 or 70. Both have given great service.

Have you thought about getting a tech plus license and using CW until you can get your General ticket? I use CW almost exclusively, not because anyone's driving it down my throat, but because I prefer it.

In answer to your questions:

1. When a radio has an internal power supply, does that mean it has plugs/prongs for plugging into a wall outlet at home?

Yes. The 820 and 520 plug right into your wall outlets. The 440 needs an external power supply.

2. As this is an older radio, are there any sources of parts for this rig, in case the one I buy turns out to need some work? Is there anyone out there who works on these older radios?

How about Kenwood for service?
http://www.kenwood.net/?do=ServiceCenters

You could also look around the net for reviews of places like Avvid and Groton Electronics.

Hope this helps!

Ken

----Original Message Follows----
From: "jody" <irish_journeys@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] New to list and have questions about the ts-520s
Date: Tue, 23 Dec 2003 00:53:50 -0000

Hi gang,

I'm not officially a licensed ham yet, but will be within 3 weeks or so. With costs of radio equipment being what they are, and having to live on a budget, I am forced to look at the older used radios. I noted with some amusement on the Eham reviews that many of the "older" radios are getting better reviews than many of the newer

models released within the past couple years.

My personal focus is on the Kenwood ts-520s, for three reasons: 1. I understand it has its own internal power supply; 2. It appears to be built like a tank (good for camping), and 3. The cost factor. They seem to go for around $300 on Ebay. (I realize I need my General ticket to operate HF. But it doesn't hurt to start doing my homework in advance. As for working with my Tech license, I'm going to get a Yaesu ft-8800 to cover that gap.)

Regarding the ts-520s,I have a couple of questions:

1. When a radio has an internal power supply, does that mean it has plugs/prongs for plugging into a wall outlet at home?

2. As this is an older radio, are there any sources of parts for this rig, in case the one I buy turns out to need some work? Is there anyone out there who works on these older radios?

Thanks in advance for your input!

Jody

_____
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1044. inrad filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 11:46:05 UTC
From: Nigel
Topic: 1044 Message: 1044

Hi Bill i have just visited the inrad site they say that their 250khz cw filter is a drop in on the 530 but a little larger.i am a little confused as you said in a e-mail that they needed work to make them fit.i know you work a lot with the Kenwood radios so just wanted to clarify it with you. sorry to be a pest. all the best from nigel

1045. Re: [TS-520_820_530_830] INRAD SSB Filter for TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 17:23:32 UTC
From: Bill K0ZL
Topic: 1039 Message: 1045

Improvement ranges from noticeable to "why didn't i do
this sooner?". I have installed many Inrad filters
and they are always worth the time and effort.

bill

--- "Werner, Klaus" <klaus.werner@...>
wrote:
> As an impulse buy, I picked up an INRAD SSB Filter
> to fit the TS-520. Before I go ahead and fit:
> Has anyone on the list replaced the Kennwood
> factory-fitted SSB filter with the INRAD SSB filter?
> What is the experience in terms of performance
> improvement?
> 73 - Klaus - G7RTI
>

=====

"If in doubt, MODIFY" --k0zl

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1046. Re: [TS-520_820_530_830] Dead ts-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 17:25:08 UTC
From: Bill K0ZL
Topic: 1040 Message: 1046

ALC indicates grid drive; yet no Ip??? strange

--- ka9vaa <ka9vaa@...> wrote:
> Last night loading up on 20m something popped. A
> solder joint in a
> home made dummy load came undone. I replaced all
> tubes but still have
> no rf out, alc loads ok, shows 60ma bias but no rf.
> Can someone tell
> me where to start looking for whatever?
>
> Thank you
>
>

=====

"If in doubt, MODIFY" --k0zl

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1047. Re: [TS-520_820_530_830] Dead ts-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 17:25:33 UTC
From: Bill K0ZL
Topic: 1040 Message: 1047

Which diodes?

bill

--- Dale Cole <k9ttt@...> wrote:
> check the diodes in the rf section. they can "pop"
> if presented with a high
> SWR.
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Tuesday, December 23, 2003 05:32:30 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Dead ts-830s
>
> Last night loading up on 20m something popped. A
> solder joint in a
> home made dummy load came undone. I replaced all
> tubes but still have
> no rf out, alc loads ok, shows 60ma bias but no rf.
> Can someone tell
> me where to start looking for whatever?
>
> Thank you
>
>
>
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>
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>
>
>
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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1048. Re: [TS-520_820_530_830] inrad filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 17:29:38 UTC
From: Bill K0ZL
Topic: 1044 Message: 1048

I would trust the Inrad evaluation. Ihave seen those
soldered in place, and yes they are larger but they
will fit.

I had to install some in a TS-870 and had to stick the
filters to the chassis inside; then wire in with coax.
Not too hard to do, inrad gave us coax but no sticky
tape. I used "shoe goop", kinda like a super rubber
cement, and also adds some shock protection to the
filter as it stays a little compressible after curing.

bill

--- Nigel <nhead1@...> wrote:
> Hi Bill i have just visited the
> inrad site they say that their
> 250khz cw filter is a drop in on the
> 530 but a little larger.i am a
> little confused as you said in a
> e-mail that they needed work to make
> them fit.i know you work a lot with
> the Kenwood radios so just wanted to
> clarify it with you. sorry to be a
> pest. all the best from nigel
>
>

=====

"If in doubt, MODIFY" --k0zl

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1049. RE:Re: [TS-520_820_530_830] inrad filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 17:49:05 UTC
From: nhead1@cwctv.net
Topic: 1044 Message: 1049

many thanks for the reply Bill

NIGEL HEAD

On Tue, 23 Dec 2003 09:29:38 -0800 (PST) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

1050. Re: Grain of wheat bulbs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-22 16:18:01 UTC
From: yv5grb
Topic: 1026 Message: 1050

Dear Jim,

If you find the Service manual for the R-820 Please let me know. (I only have the Operator Manual, in case you need it)

About the lamps, if you use any of 12-13.8V you better use a small resistor is serie (to protect the lamp...) It has worked to me in the Ts-820 and in the R-820 for years.

Regards,

Eduard (YV5GRB)

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> Yesterday I relamped my R-820 and, at the advice of a friend, I used
> model railroad lamps. The friend, a longtime owner of a TS-830,
> insists that they last longer since they are rated at a slightly
> higher voltage (16v). However, the new lamps tend to flicker when a
> strong signal is swinging the S-meter on CW. I am assuming this is
> not good. Is the best to go back inside and replace these with the
> 12 or 13.8V lamps from Rat Shack, or is something else causing this
> problem. All I did was relamp it, honest :-).
>
> Also, does anybody have a link to a scanned service manual for the R-
> 820? BAMA doesn't have one and I have not seen one anywhere else.
> In the alternative, can somebody tell me which dip switch on the
> filters board is number 1 and which is number 9? Even though the
> seller swore the R-820 didn't have any filters installed, Santa came
> early this year and it seems the entire board is filled with all the
> original Kenwood filters. However, I suspect the switches are set
> in reverse order from what they are supposed to be.
>
> Merry Christmas to all.

1051. 520 drifty VFO advice ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 18:15:21 UTC
From: Herb Lober
Topic: 1051 Message: 1051

Hi there,

The freq stability on my trusty old 520 became a sore spot with my rag chew buddies ... seems like they were wearing out their finger tips trying to keep up with my driftyness. I did some experimenting and it really was drifting all over the place ... even after an hour or so of warmup. It also would jump about 5khz from time to time.

Unfortunately I read the cleaning advice for the VFO on this site only today. I will do this when I get back to the radio.

Last week I checked the mods.dk site and it said to change out C6 and Q1 in the VFO unit .. so I did (BTW ... most of the MOS-FETs can be replaced with an ECG221 if you can't find the exact replacment part). During my foray into the radio I was extremely impressed at the mechanical and electrical build quality of this radio.

The problem now is that I have no receive at all ... just hiss. I have double and triple checked all the connections and it all seems intact. I do not have much for alignment tools, but I do have a frequency reader and an RF adapter for my digital VM. I'm going to poke around some more tonight, but I'm wondering if anybody has ...

-general advice about this, or ...
-a higher quality scan of the transmitter and receiver level diagrams that shows the voltage levels legibly.

Cheers and don't have too many egg-nogs.

Herb

1052. Re: Grain of wheat bulbs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 19:50:11 UTC
From: Jim
Topic: 1026 Message: 1052

Thanks for the offer of the manual Eduard, but I have an original manual. Somebody else replied to my problems on the lamps and it looks like I will be back to the other style. No luck yet on the R-820 service manual.

BTW, does your TS-820 have the full transceive mod? Is it worth the effort to mod the rig? I fabricated a connecting cable (after finally finding the connector!) and it seems to work, but I have not had the courage to start chopping wires on the mode switch just yet.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...> wrote:
> Dear Jim,
>
> If you find the Service manual for the R-820 Please let me know. (I
> only have the Operator Manual, in case you need it)
>
> About the lamps, if you use any of 12-13.8V you better use a small
> resistor is serie (to protect the lamp...) It has worked to me in the
> Ts-820 and in the R-820 for years.
>
> Regards,
>
> Eduard (YV5GRB)

1053. vfo for 530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-23 22:32:50 UTC
From: Nigel
Topic: 1053 Message: 1053

hi can anyone explain the difference between the vfo-240 and the vfo-230.i find it difficult to tell the difference from the little info that i have.i have been frustrated several times now to come accross some rare dx that is working split and not being able to work them. which of the two vfo's would allow me to work split with the 530sp. any advice appreciated.all the best from Nigel.

1054. Re: [TS-520_820_530_830] vfo for 530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-24 02:01:16 UTC
From: Dale Cole
Topic: 1053 Message: 1054

the 230 is a digital readout. They are somewhat easy to find on ebay, but
you are better off on QTH.com--a good one can get salty, but that dx card
makes up for it! (and you can even work 40m phone in the contests with it)
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Tuesday, December 23, 2003 05:37:51 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] vfo for 530sp

hi can anyone explain the difference
between the vfo-240 and the
vfo-230.i find it difficult to tell
the difference from the little info
that i have.i have been frustrated
several times now to come accross
some rare dx that is working split
and not being able to work them.
which of the two vfo's would allow
me to work split with the 530sp. any
advice appreciated.all the best from
Nigel.

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[Non-text portions of this message have been removed]

1055. RE:Re: [TS-520_820_530_830] vfo for 530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-24 08:11:47 UTC
From: nhead1@cwctv.net
Topic: 1053 Message: 1055

thanks for the reply but what does salty mean.

NIGEL HEAD

On Tue, 23 Dec 2003 21:01:16 -0500 (Eastern Standard Time) "Dale Cole" <k9ttt@...> wrote:

[Non-text portions of this message have been removed]

1056. RE:Re: [TS-520_820_530_830] vfo for 530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-24 22:23:48 UTC
From: Dale Cole
Topic: 1053 Message: 1056

About four years ago, I paid 175.00 for one at Dayton. That was as low as he would go. On eBay prices tend to get a little inflated just because of the nature of the beast. i.e. last minute bidding wars. You will find that on QTH.com (or eham, qrz, etc.) you can deal direct with the seller or advertise yourself for one and get it at the right price. Whatever you get make sure you have digital readout. It's hard to go "up 2" on an analog dial.
Merry Christmas ;
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, December 24, 2003 03:11:51 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE:Re: [TS-520_820_530_830] vfo for 530sp

thanks for the reply but what does salty mean.

NIGEL HEAD

On Tue, 23 Dec 2003 21:01:16 -0500 (Eastern Standard Time) "Dale Cole" <k9ttt@...> wrote:

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

1057. RE:Re: [TS-520_820_530_830] vfo for 530sp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-24 22:27:19 UTC
From: Dale Cole
Topic: 1053 Message: 1057

BTW: I have not looked lately, but to get an idea of what you should be paying, check out the used equipment listings for major amateur radio dealer such as AES and Burgthart. That will give you an idea of market value. Buying from an individual should be less than what they are advertising for.

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, December 24, 2003 03:11:51 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE:Re: [TS-520_820_530_830] vfo for 530sp

thanks for the reply but what does salty mean.

NIGEL HEAD

On Tue, 23 Dec 2003 21:01:16 -0500 (Eastern Standard Time) "Dale Cole" <k9ttt@...> wrote:

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

1058. Another ts-830 problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-25 00:19:24 UTC
From: ka9vaa
Topic: 1058 Message: 1058

First I found a bad cap (tube Res.)Which I replaced. Now I can load
all bands except 10m, Set mode to tune, meter alc, Mic car open,send,
nothing on meter,does not move turning drive control, switch to cw,
meter rf, send, nothing.
Any ideas , oh I tried cleaning the band switches,

Thank You and Happy Holidays everyone.

1059. Re: [TS-520_820_530_830] Another ts-830 problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-25 00:32:15 UTC
From: Dale Cole
Topic: 1058 Message: 1059

Did you clean the wafer contacts of your bandswitches in the rf cage? They
are dis-simular metals and sometimes don't make good contact. Also check
the bandswitch it's self. It has a tendency to crack and might not be
switching. Just a couple ideas from when I had to have mine repaired.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, December 24, 2003 07:19:42 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Another ts-830 problem.

First I found a bad cap (tube Res.)Which I replaced. Now I can load
all bands except 10m, Set mode to tune, meter alc, Mic car open,send,
nothing on meter,does not move turning drive control, switch to cw,
meter rf, send, nothing.
Any ideas , oh I tried cleaning the band switches,

Thank You and Happy Holidays everyone.

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[Non-text portions of this message have been removed]

1060. Re: Another ts-830 problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-25 03:16:41 UTC
From: ka9vaa
Topic: 1058 Message: 1060

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> First I found a bad cap (tube Res.)Which I replaced. Now I can load
> all bands except 10m, Set mode to tune, meter alc, Mic car
open,send,
> nothing on meter,does not move turning drive control, switch to cw,
> meter rf, send, nothing.
> Any ideas , oh I tried cleaning the band switches,
>
> Thank You and Happy Holidays everyone.

I may have found the trouble, I remember Bill saying that the 12by7
driver tubes sometimes do strange things, I changed it and now it
loads all bands. I don't understand why or how it could load all
bands but 10 meters.I'll let you know if it keeps working.

Thank You

1061. Re: [TS-520_820_530_830] Re: Another ts-830 problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-25 23:36:12 UTC
From: Bill K0ZL
Topic: 1058 Message: 1061

Certain tubes have characteristics that will fight you
in certain rigs.

Don't discard that tube; give it to someone else, warn
them it may or may not work.

Don't discard any 12BY7 tubes unless the ALC
indication drops dramatically after being keyed up
(assuming you have alc indication to start with).

bill

--- ka9vaa <ka9vaa@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, "ka9vaa"
> <ka9vaa@f...>
> wrote:
> > First I found a bad cap (tube Res.)Which I
> replaced. Now I can load
> > all bands except 10m, Set mode to tune, meter alc,
> Mic car
> open,send,
> > nothing on meter,does not move turning drive
> control, switch to cw,
> > meter rf, send, nothing.
> > Any ideas , oh I tried cleaning the band switches,
> >
> > Thank You and Happy Holidays everyone.
>
> I may have found the trouble, I remember Bill saying
> that the 12by7
> driver tubes sometimes do strange things, I changed
> it and now it
> loads all bands. I don't understand why or how it
> could load all
> bands but 10 meters.I'll let you know if it keeps
> working.
>
> Thank You
>
>

=====

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1062. R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-27 14:13:23 UTC
From: yv5grb
Topic: 1062 Message: 1062

Dear Friends,

I inherited (a present from a VE ham) a R-820 receiver but so far I am unable to put it to work...It presents two problems, may be interrelated:

- It do not receive.
The Af and Rf control seems to work, also there is a difference between AM/CW/SSB, but no signal is received, and VFO selectivity do not work same as Calibrator signal is never heard.

- Only one digit on the digital screen.
A "0" (cero) appears on the middle of the screen, thats all.

I have been checking every circuit for visual damage, checked some voltages but everything looks great...I'm not trained in electronics (but it is fun), Im an architect...So I will verry much appreciate some help.

Thank you

Eduard

(I do not have the service manual)

1063. Re: [TS-520_820_530_830] R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-28 01:19:16 UTC
From: James Higginbotham
Topic: 1062 Message: 1063

Bill K0ZL,
I don't know much about the R820, but did the R820 have a plug that was required like the TS820 (9 pin plug) where the external VFO would connect... possibly the R820 was used as a slave to a TS820 or other radio, thus no plug???

Jamie
----- Original Message -----
From: "yv5grb" <edresden@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, December 27, 2003 9:13 AM
Subject: [TS-520_820_530_830] R-820 receiver problem

> Dear Friends,
>
> I inherited (a present from a VE ham) a R-820 receiver but so far I
> am unable to put it to work...It presents two problems, may be
> interrelated:
>
> - It do not receive.
> The Af and Rf control seems to work, also there is a difference
> between AM/CW/SSB, but no signal is received, and VFO selectivity do
> not work same as Calibrator signal is never heard.
>
> - Only one digit on the digital screen.
> A "0" (cero) appears on the middle of the screen, thats all.
>
> I have been checking every circuit for visual damage, checked some
> voltages but everything looks great...I'm not trained in electronics
> (but it is fun), Im an architect...So I will verry much appreciate
> some help.
>
> Thank you
>
> Eduard
>
> (I do not have the service manual)
>
>
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1064. Re: R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-28 02:15:47 UTC
From: yv5grb
Topic: 1062 Message: 1064

Dear James,

Thank you verry much for your interest and reply.

When I first received the R-820 I looked at the back...but no 9 pin
socket like in the TS-820.

Thanks again,

Eduard

--- In TS-520_820_530_830@yahoogroups.com, "James Higginbotham"
<bknight@i...> wrote:
> Bill K0ZL,
> I don't know much about the R820, but did the R820 have a plug
that was
> required like the TS820 (9 pin plug) where the external VFO would
connect...
> possibly the R820 was used as a slave to a TS820 or other radio,
thus no
> plug???
>
> Jamie
> ----- Original Message -----
> From: "yv5grb" <edresden@c...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, December 27, 2003 9:13 AM
> Subject: [TS-520_820_530_830] R-820 receiver problem
>
>
> > Dear Friends,
> >
> > I inherited (a present from a VE ham) a R-820 receiver but so far
I
> > am unable to put it to work...It presents two problems, may be
> > interrelated:
> >
> > - It do not receive.
> > The Af and Rf control seems to work, also there is a difference
> > between AM/CW/SSB, but no signal is received, and VFO selectivity
do
> > not work same as Calibrator signal is never heard.
> >
> > - Only one digit on the digital screen.
> > A "0" (cero) appears on the middle of the screen, thats all.
> >

> > I have been checking every circuit for visual damage, checked some
> > voltages but everything looks great...I'm not trained in
electronics
> > (but it is fun), Im an architect...So I will verry much appreciate
> > some help.
> >
> > Thank you
> >
> > Eduard
> >
> > (I do not have the service manual)
> >
> >
> >
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1065. Re: R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-28 14:48:31 UTC
From: Jim
Topic: 1062 Message: 1065

Eduard,

Lets see if I can help a bit. First, this is a great radio once you figure out how to use it, so be sure and thank your friend. As for your problems:

1. The problem with the digital display is probably oxidation on the connector. This is a well known problem on these radios and the fix is easy. Open the top of the unit, carefully wiggle off the white connector (on the top, middle of the rig, towards the left side of the chassis as you face it), and clean it. As for what to clean it with, if you read back a few messages you can find a discussion on this topic as to which product is best, but they all come from CAIG Laboratories. If you don't have a local electronics supply house that carries these products, you can buy the Mini-spray essentials kit from here:

http://shopping.netledger.com/s.nl/c.ACCT113328/sc.2/category.20/.f

Clean the old junk off with DeOxit, and then treat it with Cailube and PreseveIt. Clean both the pins and the plastic connector, just a light spray will do. Then just slide the connector back on and you are probably going to be in good shape. I did this to both my R-820 and TS-820 over the holidays and it cured them both. Sometimes just sliding the connector off and on will loosen enough oxidation to fix the problem, but if you want to do it right clean it with DeOxit.

2. As for your Rx problem, you are correct that there is no 9-pin plug on the R-820. Have you plugged in a speaker? Unlike the TS-820, there is no internal speaker on the receiver so you need either an external speaker or headphones if you want to hear anything.

Make sure the rotary switch next to the S-meter is in VFO position, crank RF gain and AF gain up to appropriate levels, and set RF Att to 0 db (you probably already have). Make sure the transceive switch to the left of the power switch is down (set on SEP). There are two band selector knobs, make sure the one on the right is set to "Norm", and set the other one to a band known for a lot of activity, like 20m. Play with the Preselector knob to maximize the white noise in the rig.

From this point, I am going to have to guess on the right VBT tuning. The rig comes with various combinations of filters and the bandwidth is adjusted by the two knobs on the VBT shaft. I have all the filters in mine and find that the CW filters are so narrow, I can often tune in nothing at all! Exactly how wide the passband

will be depends on which filters are installed and how you have the center and outer knobs set. The range is 150 Hz to 6 kHz so it is easy to have the passband too narrow.

Rotate the center VBT knob all the way clockwise to open the passband wide, and then try a few position on the outer knob. Auto is supposed to select the best filters for the mode selected, but I prefer to manually select the filters. Just play around with some of the wider settings (2.4kHz, 6kHz) or Auto as you tune around looking for a SSB signal. The CW filters can be VERY NARROW and it is easy to tune past everything, so try with SSB and go from there. Also, if you have all filters installed and set the outer knob to 250 Hz position, the tuning does not work properly (this is a Kenwood "feature").

I hope one of those suggestions helps.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...> wrote:
> Dear James,
>
> Thank you verry much for your interest and reply.
>
> When I first received the R-820 I looked at the back...but no 9 pin
> socket like in the TS-820.
>
> Thanks again,
>
>
> Eduard
>
> --- In TS-520_820_530_830@yahoogroups.com, "James Higginbotham"
> <bknight@i...> wrote:
> > Bill K0ZL,
> > I don't know much about the R820, but did the R820 have a plug
> that was
> > required like the TS820 (9 pin plug) where the external VFO would
> connect...
> > possibly the R820 was used as a slave to a TS820 or other radio,
> thus no
> > plug???
> >
> > Jamie
> > ----- Original Message -----
> > From: "yv5grb" <edresden@c...>
> > To: <TS-520_820_530_830@yahoogroups.com>

> > Sent: Saturday, December 27, 2003 9:13 AM
> > Subject: [TS-520_820_530_830] R-820 receiver problem
> >
> >
> > > Dear Friends,
> > >
> > > I inherited (a present from a VE ham) a R-820 receiver but so
far
> I
> > > am unable to put it to work...It presents two problems, may be
> > > interrelated:
> > >
> > > - It do not receive.
> > > The Af and Rf control seems to work, also there is a difference
> > > between AM/CW/SSB, but no signal is received, and VFO
selectivity
> do
> > > not work same as Calibrator signal is never heard.
> > >
> > > - Only one digit on the digital screen.
> > > A "0" (cero) appears on the middle of the screen, thats all.
> > >
> > > I have been checking every circuit for visual damage, checked
some
> > > voltages but everything looks great...I'm not trained in
> electronics
> > > (but it is fun), Im an architect...So I will verry much
appreciate
> > > some help.
> > >
> > > Thank you
> > >
> > > Eduard
> > >
> > > (I do not have the service manual)
> > >
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > TS-520_820_530_830-unsubscribe@yahoogroups.com
> > >
> > >
> > >
> > >
> > > Yahoo! Groups Links
> > >
> > > To visit your group on the web, go to:
> > > http://groups.yahoo.com/group/TS-520_820_530_830/
> > >
> > > To unsubscribe from this group, send an email to:

> > > TS-520_820_530_830-unsubscribe@yahoogroups.com
> > >
> > > Your use of Yahoo! Groups is subject to:
> > > http://docs.yahoo.com/info/terms/
> > >
> > >
> > > [This E-mail scanned for viruses by Declude Virus]
> > >
> > >
> >
> > [This E-mail scanned for viruses by Declude Virus]

1066. wanted: SSB Filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-29 06:29:14 UTC
From: David A. Echols
Topic: 1066 Message: 1066

I would like to buy a ssb filter for my Kenwood_TS-820S.Seems mine has never had one!It has the cw filters,installed.Also ,can anyone tell me ,if the filter is somewhere near 1.5-1.8? Please E-mail and let me know.....Thanks David

1067. Re: [TS-520_820_530_830] wanted: SSB Filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-29 13:50:54 UTC
From: Bill K0ZL
Topic: 1066 Message: 1067

Are you referring to bandwidth?

The 820 comes stock with a pretty good filter; maybe
someone removed it.

There are extra filters you can buy which I highly
recommend; that is the line carried by InRad.

I don't recommend going below 2.1Khz unless you are a
hard and fast contester... any narrower will not sound
well on receive.

73,

bill

--- "David A. Echols" <dechols@...> wrote:
> I would like to buy a ssb filter for my
> Kenwood_TS-820S.Seems mine
> has never had one!It has the cw
> filters,installed.Also ,can anyone
> tell me ,if the filter is somewhere near 1.5-1.8?
> Please E-mail and
> let me know.....Thanks David
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://photos.yahoo.com/

1068. Re: [TS-520_820_530_830] wanted: SSB Filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-29 19:24:40 UTC
From: dechols@cfl.rr.com
Topic: 1066 Message: 1068

Bill,Yes,I was,refering to the band width.I thank you for the inffo.I'll contact Inrad and see If I can ge the 2100...Thank you for your time and help.I hope that you and all your family ,have a very prosperous New Year...David
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, December 29, 2003 8:50 AM
Subject: Re: [TS-520_820_530_830] wanted: SSB Filter

Are you referring to bandwidth?

The 820 comes stock with a pretty good filter; maybe
someone removed it.

There are extra filters you can buy which I highly
recommend; that is the line carried by InRad.

I don't recommend going below 2.1Khz unless you are a
hard and fast contester... any narrower will not sound
well on receive.

73,

bill

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> Kenwood_TS-820S.Seems mine
> has never had one!It has the cw
> filters,installed.Also ,can anyone
> tell me ,if the filter is somewhere near 1.5-1.8?
> Please E-mail and
> let me know.....Thanks David
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
Do you Yahoo!?
New Yahoo! Photos - easier uploading and sharing.
http://photos.yahoo.com/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.556 / Virus Database: 348 - Release Date: 12/26/2003

[Non-text portions of this message have been removed]

1069. Re: R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-29 22:03:09 UTC
From: yv5grb
Topic: 1062 Message: 1069

Dear Jim,

Thank you for the nice explanation, and for your dedicated interest.

I read all your text and printed it for further use (hope so).

Jim, I own a TS-820 for years,... and when i used to live in Maracaibo the humedity whas so high that i had to clean the contacts once every three months,... here in Caracas i do it every 5 years, hi hi, so this is a known problem in the 820 series. When I got the R-820 from my friend he told me about the two problems,... he knew how to use it, I had to learn, because in the beginning I only saw a TS-820 in it and my fingers went the wrong way, now i have taken all the boards out one by one cleaned them, visually checked and and also checked some voltages, every thing seems fine but... no digital output and no signal reception, (even no calibrator signal !!!!) I explained that in my first email. so I am still searching,.. hi hi.

I've send the receiver to some technicians down here in Caracas but they say they do not mess with old equipment!!!! So i have to do it 'with a little help of my friends' hi, hi, in the same way I fixed the SM-220, two old ATLAS 210X, and a Yaesu FT-7B.

Best regards and wishes for the comming 2004

73 de Eduard

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> Eduard,
>
> Lets see if I can help a bit. First, this is a great radio once you
> figure out how to use it, so be sure and thank your friend. As for
> your problems:
>
> 1. The problem with the digital display is probably oxidation on
> the connector. This is a well known problem on these radios and the
> fix is easy. Open the top of the unit, carefully wiggle off the
> white connector (on the top, middle of the rig, towards the left
> side of the chassis as you face it), and clean it. As for what to
> clean it with, if you read back a few messages you can find a
> discussion on this topic as to which product is best, but they all
> come from CAIG Laboratories. If you don't have a local electronics
> supply house that carries these products, you can buy the Mini-spray

> essentials kit from here:
>
> http://shopping.netledger.com/s.nl/c.ACCT113328/sc.2/category.20/.f
>
> Clean the old junk off with DeOxit, and then treat it with Cailube
> and PreseveIt. Clean both the pins and the plastic connector, just
> a light spray will do. Then just slide the connector back on and
> you are probably going to be in good shape. I did this to both my
R-
> 820 and TS-820 over the holidays and it cured them both. Sometimes
> just sliding the connector off and on will loosen enough oxidation
> to fix the problem, but if you want to do it right clean it with
> DeOxit.
>
>
> 2. As for your Rx problem, you are correct that there is no 9-pin
> plug on the R-820. Have you plugged in a speaker? Unlike the TS-
> 820, there is no internal speaker on the receiver so you need
either
> an external speaker or headphones if you want to hear anything.
>
> Make sure the rotary switch next to the S-meter is in VFO position,
> crank RF gain and AF gain up to appropriate levels, and set RF Att
> to 0 db (you probably already have). Make sure the transceive
> switch to the left of the power switch is down (set on SEP). There
> are two band selector knobs, make sure the one on the right is set
> to "Norm", and set the other one to a band known for a lot of
> activity, like 20m. Play with the Preselector knob to maximize the
> white noise in the rig.
>
>
> From this point, I am going to have to guess on the right VBT
> tuning. The rig comes with various combinations of filters and the
> bandwidth is adjusted by the two knobs on the VBT shaft. I have
all
> the filters in mine and find that the CW filters are so narrow, I
> can often tune in nothing at all! Exactly how wide the passband
> will be depends on which filters are installed and how you have the
> center and outer knobs set. The range is 150 Hz to 6 kHz so it is
> easy to have the passband too narrow.
>
> Rotate the center VBT knob all the way clockwise to open the
> passband wide, and then try a few position on the outer knob. Auto
> is supposed to select the best filters for the mode selected, but I
> prefer to manually select the filters. Just play around with some
> of the wider settings (2.4kHz, 6kHz) or Auto as you tune around
> looking for a SSB signal. The CW filters can be VERY NARROW and it
> is easy to tune past everything, so try with SSB and go from
there.
> Also, if you have all filters installed and set the outer knob to

> 250 Hz position, the tuning does not work properly (this is a
> Kenwood "feature").
>
> I hope one of those suggestions helps.
>
> 73,
> Jim
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...>
> wrote:
> > Dear James,
> >
> > Thank you verry much for your interest and reply.
> >
> > When I first received the R-820 I looked at the back...but no 9
> pin
> > socket like in the TS-820.
> >
> > Thanks again,
> >
> >
> > Eduard
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "James Higginbotham"
> > <bknight@i...> wrote:
> > > Bill K0ZL,
> > > I don't know much about the R820, but did the R820 have a
plug
> > that was
> > > required like the TS820 (9 pin plug) where the external VFO
> would
> > connect...
> > > possibly the R820 was used as a slave to a TS820 or other
radio,
> > thus no
> > > plug???
> > >
> > > Jamie
> > > ----- Original Message -----
> > > From: "yv5grb" <edresden@c...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Saturday, December 27, 2003 9:13 AM
> > > Subject: [TS-520_820_530_830] R-820 receiver problem
> > >
> > >
> > > > Dear Friends,
> > > >

> > > > I inherited (a present from a VE ham) a R-820 receiver but so
> far
> > I
> > > > am unable to put it to work...It presents two problems, may be
> > > > interrelated:
> > > >
> > > > - It do not receive.
> > > > The Af and Rf control seems to work, also there is a
difference
> > > > between AM/CW/SSB, but no signal is received, and VFO
> selectivity
> > do
> > > > not work same as Calibrator signal is never heard.
> > > >
> > > > - Only one digit on the digital screen.
> > > > A "0" (cero) appears on the middle of the screen, thats all.
> > > >
> > > > I have been checking every circuit for visual damage, checked
> some
> > > > voltages but everything looks great...I'm not trained in
> > electronics
> > > > (but it is fun), Im an architect...So I will verry much
> appreciate
> > > > some help.
> > > >
> > > > Thank you
> > > >
> > > > Eduard
> > > >
> > > > (I do not have the service manual)
> > > >
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
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> > > > Yahoo! Groups Links
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> > > > To visit your group on the web, go to:
> > > > http://groups.yahoo.com/group/TS-520_820_530_830/
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1070. Re: Grain of wheat bulbs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-30 14:07:58 UTC
From: Martin
Topic: 1026 Message: 1070

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
> Yesterday I relamped my R-820 and, at the advice of a friend, I
used
> model railroad lamps. The friend, a longtime owner of a TS-830,
> insists that they last longer since they are rated at a slightly
> higher voltage (16v). However, the new lamps tend to flicker when
a
> strong signal is swinging the S-meter on CW. I am assuming this is
> not good. Is the best to go back inside and replace these with the
> 12 or 13.8V lamps from Rat Shack, or is something else causing this
> problem. All I did was relamp it, honest :-).
>

If you run lamps much below their rated voltage, the temperature goes down (saves the filament), but the sensitivity to small voltage fluctuations goes up. You can see this with home lamp dimmers, too. I'd guess you are seeing normal voltage fluctuations that were not visible with the normal lamps. Probably nothing to worry about.

73 - Martin AA6E

1071. Re: R-820 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-31 03:07:40 UTC
From: Jim
Topic: 1062 Message: 1071

Eduard,

Sorry my suggestions did not help the problems much. If you think the voltages are OK, I wonder if you have a component failure on the digital display? Bill would be a better one to give a diagnosis than I, since I know just enough about electronics to be dangerous. If you have cleaned it all, there must be something more complicated going on. Best of luck to you.

73,
Jim de K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...> wrote:
> Dear Jim,
>
> Thank you for the nice explanation, and for your dedicated interest.
>
> I read all your text and printed it for further use (hope so).
>
> Jim, I own a TS-820 for years,... and when i used to live in
> Maracaibo the humedity whas so high that i had to clean the contacts
> once every three months,... here in Caracas i do it every 5 years, hi
> hi, so this is a known problem in the 820 series. When I got the R-
> 820 from my friend he told me about the two problems,... he knew how
> to use it, I had to learn, because in the beginning I only saw a TS-
> 820 in it and my fingers went the wrong way, now i have taken all the
> boards out one by one cleaned them, visually checked and and also
> checked some voltages, every thing seems fine but... no digital
> output and no signal reception, (even no calibrator signal !!!!) I
> explained that in my first email. so I am still searching,.. hi hi.
>
> I've send the receiver to some technicians down here in Caracas but
> they say they do not mess with old equipment!!!! So i have to do
> it 'with a little help of my friends' hi, hi, in the same way I fixed
> the SM-220, two old ATLAS 210X, and a Yaesu FT-7B.
>
> Best regards and wishes for the comming 2004

>
> 73 de Eduard

1072. Re: Grain of wheat bulbs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2003-12-31 03:10:43 UTC
From: Jim
Topic: 1026 Message: 1072

Martin,

Yes, another member replied to me and suggested that I was just seeing a voltage drop due to the lamp, which is what I suspected. However, I couldn't stand using an R-820 that blinked in rhythm every time somebody sends CQ in code (you semaphone fans might like the effect though). So, I relamped it on Christmas with 12V bubls and all back to normal.

73,
Jim

>
> If you run lamps much below their rated voltage, the temperature goes
> down (saves the filament), but the sensitivity to small voltage
> fluctuations goes up. You can see this with home lamp dimmers, too.
> I'd guess you are seeing normal voltage fluctuations that were not
> visible with the normal lamps. Probably nothing to worry about.
>
> 73 - Martin AA6E

1073. Psk on TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-01 10:23:20 UTC
From: Hal
Topic: 1073 Message: 1073

I've just read through the posts about hooking up a TS-520 for psk
and now I'm confused.

I read the post about using the phone in / out jacks and that seems
simple. But the last time I used my 520 on psk I ened up blowing the
fuse. At that time I used a homebrewed interface.

So I guess what I am looking for is "how do I set it up?", from
beginning to end.
Thanks in advance.
Hal
KC0BDW

1074. Re: New to list and have questions about the ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-01 05:31:39 UTC
From: ab8sg
Topic: 1036 Message: 1074

In answer to your second question...i.e. parts availability, the most attractive feature of the 520 series is the ease of "do it yourself" repairs. The circuit boards are huge, and most of the parts are easily replaceable. On the other hand, when I bought mine on "ebay", it smoked when I first turned it on. Checking with a couple of repair facilities I was shocked at what they wanted to service it. ($75 an hour on up.) Worse yet, they all have a one to two month turnaround time. I found the problem and repaired it myself in about an hour and a cost of $12. (part of the power supply). Great rig now. Has great reciever in it.

Good luck and go for your general ticket.

--- In TS-520_820_530_830@yahoogroups.com, "Ken Nellis" <knellis@h...> wrote:
> Jody:
>
> I took approximately the route you plan. I bought a TS-820 with external
> VFO on eBay for $275, and an MC-50 mic for another 60 or 70. Both have
> given great service.
>
> Have you thought about getting a tech plus license and using CW until you
> can get your General ticket? I use CW almost exclusively, not because
> anyone's driving it down my throat, but because I prefer it.
>
> In answer to your questions:
>
> 1. When a radio has an internal power supply, does that mean it has
> plugs/prongs for plugging into a wall outlet at home?
>
> Yes. The 820 and 520 plug right into your wall outlets. The 440 needs an
> external power supply.
>
> 2. As this is an older radio, are there any sources of parts for this rig,
> in case the one I buy turns out to need some work? Is there anyone out
> there who works on these older radios?
>

> How about Kenwood for service?
> http://www.kenwood.net/?do=ServiceCenters
>
> You could also look around the net for reviews of places like
Avvid and
> Groton Electronics.
>
> Hope this helps!
>
> Ken
>
>
>
> ----Original Message Follows----
> From: "jody" <irish_journeys@y...>
> Reply-To: TS-520_820_530_830@yahoogroups.com
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] New to list and have questions about
the
> ts-520s
> Date: Tue, 23 Dec 2003 00:53:50 -0000
>
> Hi gang,
>
> I'm not officially a licensed ham yet, but will be within 3 weeks
or
> so. With costs of radio equipment being what they are, and having
> to live on a budget, I am forced to look at the older used radios.
> I noted with some amusement on the Eham reviews that many of
> the "older" radios are getting better reviews than many of the
newer
> models released within the past couple years.
>
> My personal focus is on the Kenwood ts-520s, for three reasons: 1.
> I understand it has its own internal power supply; 2. It appears to
> be built like a tank (good for camping), and 3. The cost factor.
> They seem to go for around $300 on Ebay. (I realize I need my
> General ticket to operate HF. But it doesn't hurt to start doing
my
> homework in advance. As for working with my Tech license, I'm
going
> to get a Yaesu ft-8800 to cover that gap.)
>
>
> Regarding the ts-520s,I have a couple of questions:
>
> 1. When a radio has an internal power supply, does that mean it
has
> plugs/prongs for plugging into a wall outlet at home?
>

> 2. As this is an older radio, are there any sources of parts for
> this rig, in case the one I buy turns out to need some work? Is
> there anyone out there who works on these older radios?
>
> Thanks in advance for your input!
>
> Jody
>
> _____
> Get dial-up Internet access now with our best offer: 6 months
@$9.95/month!
> http://join.msn.com/?page=dept/dialup

1075. Re: [TS-520_820_530_830] Re: New to list and have questions about the ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-01 15:41:31 UTC
From: Dale Cole
Topic: 1036 Message: 1075

A lot of talk about getting repairs from facilities like kenwood and some of the other places whichich charge an arm and a let. Try this one guys:
www.qtm.net/~sarts/sarts.html
Does excellent work, fast turnaround, (no month) and great guy to work with. All your questions can be answered on his web page. (including bench rate)

Cheers, and Happy New Year
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Thursday, January 01, 2004 08:14:49 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: New to list and have questions about the ts-520s

In answer to your second question...i.e. parts availability, the most attractive feature of the 520 series is the ease of "do it yourself" repairs. The circuit boards are huge, and most of the parts are easily replaceable. On the other hand, when I bought mine on "ebay", it smoked when I first turned it on. Checking with a couple of repair facilities I was shocked at what they wanted to service it. ($75 an hour on up.) Worse yet, they all have a one to two month turnaround time. I found the problem and repaired it myself in about an hour and a cost of $12. (part of the power supply). Great rig now. Has great reciever in it.

Good luck and go for your general ticket.

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>
> I took approximately the route you plan. I bought a TS-820 with external
> VFO on eBay for $275, and an MC-50 mic for another 60 or 70. Both have
> given great service.
>
> Have you thought about getting a tech plus license and using CW until you
> can get your General ticket? I use CW almost exclusively, not because
> anyone's driving it down my throat, but because I prefer it.

>
> In answer to your questions:
>
> 1. When a radio has an internal power supply, does that mean it
has
> plugs/prongs for plugging into a wall outlet at home?
>
> Yes. The 820 and 520 plug right into your wall outlets. The 440
needs an
> external power supply.
>
> 2. As this is an older radio, are there any sources of parts for
this rig,
> in case the one I buy turns out to need some work? Is there
anyone out
> there who works on these older radios?
>
> How about Kenwood for service?
> http://www.kenwood.net/?do=ServiceCenters
>
> You could also look around the net for reviews of places like
Avvid and
> Groton Electronics.
>
> Hope this helps!
>
> Ken
>
>
>
> ----Original Message Follows----
> From: "jody" <irish_journeys@y...>
> Reply-To: TS-520_820_530_830@yahoogroups.com
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] New to list and have questions about
the
> ts-520s
> Date: Tue, 23 Dec 2003 00:53:50 -0000
>
> Hi gang,
>
> I'm not officially a licensed ham yet, but will be within 3 weeks
or
> so. With costs of radio equipment being what they are, and having
> to live on a budget, I am forced to look at the older used radios.
> I noted with some amusement on the Eham reviews that many of
> the "older" radios are getting better reviews than many of the
newer
> models released within the past couple years.
>

> My personal focus is on the Kenwood ts-520s, for three reasons: 1.
> I understand it has its own internal power supply; 2. It appears to
> be built like a tank (good for camping), and 3. The cost factor.
> They seem to go for around $300 on Ebay. (I realize I need my
> General ticket to operate HF. But it doesn't hurt to start doing
my
> homework in advance. As for working with my Tech license, I'm
going
> to get a Yaesu ft-8800 to cover that gap.)
>
>
> Regarding the ts-520s,I have a couple of questions:
>
> 1. When a radio has an internal power supply, does that mean it
has
> plugs/prongs for plugging into a wall outlet at home?
>
> 2. As this is an older radio, are there any sources of parts for
> this rig, in case the one I buy turns out to need some work? Is
> there anyone out there who works on these older radios?
>
> Thanks in advance for your input!
>
> Jody
>
> ~~~~~~
> Get dial-up Internet access now with our best offer: 6 months
@$9.95/month!
> http://join.msn.com/?page=dept/dialup

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1076. TS 830S frequency display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-02 10:55:09 UTC
From: k2uod
Topic: 1076 Message: 1076

Fired up the 830S last night and had an unusual problem. The display reads 1 MHZ down across all bands. Example: set bandswitch to 7 MHZ; display read 6.040 MHZ; 14 MHZ read 13.040 MHZ, etc. Was actually recieving 7.040 and 14.040.

Any ideas?

73, Keith K2UOD

1077. Re: [TS-520_820_530_830] TS 830S frequency display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-02 13:45:03 UTC
From: Bill K0ZL
Topic: 1076 Message: 1077

There is a PLL that acts as a tracking generator for
the counter and it follows the VFO... I suspect that
it is unlocked?

bill

--- k2uod <k2uod@...> wrote:
> Fired up the 830S last night and had an unusual
> problem. The
> display reads 1 MHZ down across all bands. Example:
> set bandswitch
> to 7 MHZ; display read 6.040 MHZ; 14 MHZ read 13.040
> MHZ, etc. Was
> actually recieving 7.040 and 14.040.
>
> Any ideas?
>
>
> 73, Keith K2UOD
>
>

=====

"If in doubt, MODIFY" --k0zl

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1078. Re:psk31 on ts-520 etc.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-02 16:14:37 UTC
From: james27613@att.net
Topic: 1078 Message: 1078

Hi Hal,

I use the rascal interface kit from buck at http://www.packetradio.com/
lots of info there for you including psk31 info.

The interface isolates the radio from the pc with optoisolators and
matching transformers. The interface connects to the mic connector
on the radio for transmit and uses speaker output for reception.

You can enjoy psk31 reception right now without any interface,
just run audio from the speaker out from the 520 to the input
on your sound card. Be sure to turn the radio volume way down
so you don't overload the sound card on the pc.
I use digipan but other software works great.

You may have to adjust the line in settings for the sound card
in the sound card utility panel in windows o/s.

Hope this helps.

73 james

Date: Thu, 01 Jan 2004 10:23:20 -0000
> From: "Hal" <kc0bdw@...>
> Subject: Psk on TS-520
>
> I've just read through the posts about hooking up a TS-520 for psk
> and now I'm confused.
>
> I read the post about using the phone in / out jacks and that seems
> simple. But the last time I used my 520 on psk I ened up blowing the
> fuse. At that time I used a homebrewed interface.
>
> So I guess what I am looking for is "how do I set it up?", from
> beginning to end.
> Thanks in advance.
> Hal
> KC0BDW

1079. Re:psk31 on ts-520 etc.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-02 22:30:32 UTC
From: Hal
Topic: 1078 Message: 1079

Well what I ment is the settings on the radio itself.
KC0BDW
Hal
> Hi Hal,
>
> I use the rascal interface kit from buck at
http://www.packetradio.com/
> lots of info there for you including psk31 info.
>
> The interface isolates the radio from the pc with optoisolators and
> matching transformers. The interface connects to the mic connector
> on the radio for transmit and uses speaker output for reception.
>
> You can enjoy psk31 reception right now without any interface,
> just run audio from the speaker out from the 520 to the input
> on your sound card. Be sure to turn the radio volume way down
> so you don't overload the sound card on the pc.
> I use digipan but other software works great.
>
> You may have to adjust the line in settings for the sound card
> in the sound card utility panel in windows o/s.
>
> Hope this helps.
>
> 73 james
>

1080. Re: psk31 on ts520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-03 15:00:47 UTC
From: james27613@att.net
Topic: 1080 Message: 1080

Hi Hal,

When you use psk31 important to keep the output level down to under 50 watts or even less then that. There is an external circuit (9v battery and a pot) that you can use with aux socket on back of the radio http://www.mod.dk it is the ts-520 qrp mod.

For the radio settings, same as using ssb but you need to reduce the power output by using the above circuit.

73 james

> Date: Fri, 02 Jan 2004 22:30:32 -0000
> From: "Hal" <kc0bdw@...>
> Subject: Re:psk31 on ts-520 etc.
>
> Well what I ment is the settings on the radio itself.
> KC0BDW
> Hal
> > Hi Hal,
> >
> > I use the rascal interface kit from buck at
> http://www.packetradio.com/
> > lots of info there for you including psk31 info.
> >
> > The interface isolates the radio from the pc with optoisolators and
> > matching transformers. The interface connects to the mic connector
> > on the radio for transmit and uses speaker output for reception.
> >
> > You can enjoy psk31 reception right now without any interface,
> > just run audio from the speaker out from the 520 to the input
> > on your sound card. Be sure to turn the radio volume way down
> > so you don't overload the sound card on the pc.
> > I use digipan but other software works great.
> >
> > You may have to adjust the line in settings for the sound card
> > in the sound card utility panel in windows o/s.
> >
> > Hope this helps.
> >
> > 73 james

1081. TS-520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-03 23:50:53 UTC
From: ka9vaa
Topic: 1081 Message: 1081

Did Kenwood make a antenna tuner to go with the 520's, I have the sp-520 and vfo-520 and would like the complete set. I have seen a at-180 and at-200 but can find no information as to what if any radio's they were made for.

Thank you and Happy New Year.

1082. Re: [TS-520_820_530_830] TS-520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-04 00:17:03 UTC
From: dfeigley
Topic: 1081 Message: 1082

Hello,
The At-200 is the matching tuner for the
520 series of radios.
W4CDF
Charlie

Gatherer Of things
Kenwood

[Non-text portions of this message have been removed]

1083. ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-04 09:01:47 UTC
From: blobby12uk
Topic: 1083 Message: 1083

Just bought my self a TS-530S ,all appears well with it.Good 100watts out ,good rx etc.
What concerns me is the reliability ,such as the high voltage electrolytics,valves etc.
Is there anything I should keep my eye on,should I aquire spares etc.
It will get quite a bit of use.
What are peoples experiences with the set.
I am sorry if the question is a bit watery but any comments will be appreciated.
Regards
Bob/G7JHW

1084. Re: [TS-520_820_530_830] ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-04 20:38:52 UTC
From: Bill K0ZL
Topic: 1083 Message: 1084

The high-voltage filter caps can use replacement on
all of these now.

I use the Nichicon caps sold by Digikey,
www.digikey.com, P7453-ND.

The others can be replaced also; the minus bias
supply, the 350 volt screen supply, the 13vdc supply
and the audio output blocking cap.

I am thinking of putting together "cap kits" that will
allow owners to re-cap the vintage rigs, without
having to hunt up parts, parts that won't fit
physically etc.

As for valves, yes by all means, find a set of 6146B
only (not W or A or plain 6146), either GE or RCA, and
put them in for test. If they work, put them on the
shelf for spares and put the old ones back in.

Driver tubes also. The best are the ones used in the
Tektronix scopes and pulled as part of a maintenance
plan... these are often available on eBay as pairs for
about 14-19 USD each. I like the scope pulls because
they tend to be very stable and have much life left in
them.

73,

Bill
--- blobby12uk <g7jhw@...> wrote:
> Just bought my self a TS-530S ,all appears well with
> it.Good 100watts
> out ,good rx etc.
> What concerns me is the reliability ,such as the
> high voltage
> electrolytics,valves etc.
> Is there anything I should keep my eye on,should I
> aquire spares etc.
> It will get quite a bit of use.
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> I am sorry if the question is a bit watery but any
> comments will be
> appreciated.
> Regards
> Bob/G7JHW
>

>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1085. Re: [TS-520_820_530_830] ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-04 21:34:13 UTC
From: G Bay
Topic: 1083 Message: 1085

Just to add to Bill's comments;
I've had a 530s for abt 4 years now (Ham Fest buy) and other than an intermittent rec. problem that goes away after a 5 min. warm up and changing the finals it's been trouble free. Even after I blew the fuse running psk31 with too much power on (lack of attention) and it was the original fuse! So expect a lot of hrs. of use and see you on psk31,feld hell, cw, rtty and even ssb once in a while.
By the way Bill explain the difference in tubes for me if you would. I forget why it matters,
Thanks
Gary wb3dsj

Bill K0ZL <coorsbill@...> wrote:
The high-voltage filter caps can use replacement on all of these now.

I use the Nichicon caps sold by Digikey, www.digikey.com, P7453-ND.

The others can be replaced also; the minus bias supply, the 350 volt screen supply, the 13vdc supply and the audio output blocking cap.

I am thinking of putting together "cap kits" that will allow owners to re-cap the vintage rigs, without having to hunt up parts, parts that won't fit physically etc.

As for valves, yes by all means, find a set of 6146B only (not W or A or plain 6146), either GE or RCA, and put them in for test. If they work, put them on the shelf for spares and put the old ones back in.

Driver tubes also. The best are the ones used in the Tektronix scopes and pulled as part of a maintenance plan... these are often available on eBay as pairs for about 14-19 USD each. I like the scope pulls because they tend to be very stable and have much life left in them.

73,

Bill
--- blobby12uk wrote:
> Just bought my self a TS-530S ,all appears well with
> it.Good 100watts
> out ,good rx etc.

> What concerns me is the reliability ,such as the
> high voltage
> electrolytics,valves etc.
> Is there anything I should keep my eye on,should I
> aquire spares etc.
> It will get quite a bit of use.
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> I am sorry if the question is a bit watery but any
> comments will be
> appreciated.
> Regards
> Bob/G7JHW
>
>
>
>

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"If in doubt, MODIFY" --k0zl

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To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1086. Re: [TS-520_820_530_830] ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-04 23:41:29 UTC
From: Bill K0ZL
Topic: 1083 Message: 1086

The 6146B has 35 watts plate dissipation max, others
are 25 watts max.

Very important for RTTY non-burst modes

bill

--- G Bay <botr8@...> wrote:
> Just to add to Bill's comments;
> I've had a 530s for abt 4 years now (Ham Fest
> buy) and other than an
> intermittent rec. problem that goes away after a 5
> min. warm up and
> changing the finals it's been trouble free. Even
> after I blew the fuse running
> psk31 with too much power on (lack of attention) and
> it was the original fuse!
> So expect a lot of hrs. of use and see you on
> psk31,feld hell, cw, rtty and
> even ssb once in a while.
> By the way Bill explain the difference in tubes
> for me if you would. I forget
> why it matters,
> Thanks
> Gary wb3dsj
>
> Bill K0ZL <coorsbill@...> wrote:
> The high-voltage filter caps can use replacement on
> all of these now.
>
> I use the Nichicon caps sold by Digikey,
> www.digikey.com, P7453-ND.
>
> The others can be replaced also; the minus bias
> supply, the 350 volt screen supply, the 13vdc supply
> and the audio output blocking cap.
>
> I am thinking of putting together "cap kits" that
> will
> allow owners to re-cap the vintage rigs, without
> having to hunt up parts, parts that won't fit
> physically etc.
>
> As for valves, yes by all means, find a set of 6146B
> only (not W or A or plain 6146), either GE or RCA,
> and

> put them in for test. If they work, put them on the
> shelf for spares and put the old ones back in.
>
> Driver tubes also. The best are the ones used in the
> Tektronix scopes and pulled as part of a maintenance
> plan... these are often available on eBay as pairs
> for
> about 14-19 USD each. I like the scope pulls because
> they tend to be very stable and have much life left
> in
> them.
>
> 73,
>
> Bill
> --- blobby12uk wrote:
> > Just bought my self a TS-530S ,all appears well
> with
> > it.Good 100watts
> > out ,good rx etc.
> > What concerns me is the reliability ,such as the
> > high voltage
> > electrolytics,valves etc.
> > Is there anything I should keep my eye on,should I
> > aquire spares etc.
> > It will get quite a bit of use.
> > What are peoples experiences with the set.
> > I am sorry if the question is a bit watery but any
> > comments will be
> > appreciated.
> > Regards
> > Bob/G7JHW
> >
> >
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>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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>

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1087. Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-05 21:57:39 UTC
From: Rick
Topic: 1083 Message: 1087

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> The high-voltage filter caps can use replacement on
> all of these now.
>
> I use the Nichicon caps sold by Digikey,
> www.digikey.com, P7453-ND.
>
> The others can be replaced also; the minus bias
> supply, the 350 volt screen supply, the 13vdc supply
> and the audio output blocking cap.
>
> I am thinking of putting together "cap kits" that will
> allow owners to re-cap the vintage rigs, without
> having to hunt up parts, parts that won't fit
> physically etc.

Hey Bill,

Great idea on the "cap kit". If you do put it together, add my name
to the list as wanting one! Also if you sourced 6146B's and the
12BY7's I'll bet they would go too.

BTW, thanks for a great group...the hints and tips are great!

73 es have a great 2004.

Rick

VK3BEB / WA4BEB

1088. Re: TS 830S frequency display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-05 21:49:32 UTC
From: Rick
Topic: 1076 Message: 1088

Hi Keith,

Had the same problem with my 830S. Try cleaning the D H (Display
Hold) Switch with good quality contact cleaner...worked for me.

Good Luck es 73

Rick
VK3BEB / WA4BEB

-- In TS-520_820_530_830@yahoogroups.com, "k2uod" <k2uod@h...> wrote:
> Fired up the 830S last night and had an unusual problem. The
> display reads 1 MHZ down across all bands. Example: set bandswitch
> to 7 MHZ; display read 6.040 MHZ; 14 MHZ read 13.040 MHZ, etc. Was
> actually recieving 7.040 and 14.040.
>
> Any ideas?
>
>
> 73, Keith K2UOD

1089. Re: [TS-520_820_530_830] Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-05 23:39:01 UTC
From: HORACE ALLEN
Topic: 1083 Message: 1089

Bill,
Capacitor kits for the 520,S,SE including the electrolytics in the B+ would be a great idea.....
Sam
----- Original Message -----
From: "Rick" <rparsons0@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, January 05, 2004 3:57 PM
Subject: [TS-520_820_530_830] Re: ts-530s reliability?

> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
> wrote:
> > The high-voltage filter caps can use replacement on
> > all of these now.
> >
> > I use the Nichicon caps sold by Digikey,
> > www.digikey.com, P7453-ND.
> >
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> > I am thinking of putting together "cap kits" that will
> > allow owners to re-cap the vintage rigs, without
> > having to hunt up parts, parts that won't fit
> > physically etc.
>
>
> Hey Bill,
>
> Great idea on the "cap kit". If you do put it together, add my name
> to the list as wanting one! Also if you sourced 6146B's and the
> 12BY7's I'll bet they would go too.
>
> BTW, thanks for a great group...the hints and tips are great!
>
> 73 es have a great 2004.
>
> Rick
>
> VK3BEB / WA4BEB
>
>
>
>

>
>
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to:
> http://docs.yahoo.com/info/terms/
>
>
>

1090. Re: [TS-520_820_530_830] Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-06 14:09:11 UTC
From: Bill K0ZL
Topic: 1083 Message: 1090

Thanks Rick, will do.

bill

--- Rick <rparsons0@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > The high-voltage filter caps can use replacement
> on
> > all of these now.
> >
> > I use the Nichicon caps sold by Digikey,
> > www.digikey.com, P7453-ND.
> >
> > The others can be replaced also; the minus bias
> > supply, the 350 volt screen supply, the 13vdc
> supply
> > and the audio output blocking cap.
> >
> > I am thinking of putting together "cap kits" that
> will
> > allow owners to re-cap the vintage rigs, without
> > having to hunt up parts, parts that won't fit
> > physically etc.
>
>
> Hey Bill,
>
> Great idea on the "cap kit". If you do put it
> together, add my name
> to the list as wanting one! Also if you sourced
> 6146B's and the
> 12BY7's I'll bet they would go too.
>
> BTW, thanks for a great group...the hints and tips
> are great!
>
> 73 es have a great 2004.
>
> Rick
>
> VK3BEB / WA4BEB
>
>

>

=====

"If in doubt, MODIFY" --k0zl

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1091. Re: [TS-520_820_530_830] Digest Number 293

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-07 19:28:04 UTC
From: Phono-Guy
Topic: 1091 Message: 1091

That's a good idea, My original TS 520S needs a overhaul ...

Clint

WS1V

Date: Mon, 05 Jan 2004 21:57:39 -0000
From: "Rick" <rparsons0@...>
Subject: Re: ts-530s reliability?

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> The high-voltage filter caps can use replacement on
> all of these now.
>
> I use the Nichicon caps sold by Digikey,
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> The others can be replaced also; the minus bias
> supply, the 350 volt screen supply, the 13vdc supply
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>
> I am thinking of putting together "cap kits" that will
> allow owners to re-cap the vintage rigs, without
> having to hunt up parts, parts that won't fit
> physically etc.

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[Non-text portions of this message have been removed]

1092. Kenwood TS-520 - Frequency Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 05:09:18 UTC
From: Steve Wilhite
Topic: 1092 Message: 1092

I am attempting to purchase an early model TS-520 that does not have the plug in for s DG-5 hookup.

Is there any after-market units that will help display the frequency on this unit.

Thanks,,
Steve

1093. tuning up question.TS-530.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 06:37:53 UTC
From: blobby12uk
Topic: 1093 Message: 1093

Wwhen tuning up I get between 110 to 100 watts from the lowest band
to 10metres.
Should tuning up for max out in cw equate to max output on ssb.
Whay I am asking this ,if I follow the tune up procedure according to
the manual for ssb I find the peak output is less than if I Tune up
in cw mode.Then measure peak output in ssb.
Hope this question makes sense.
Regards
Bob/G7JHW

1094. Re: TS-520SE VFO CLEANING INSTRUCTIONS.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 02:26:42 UTC
From: au20061
Topic: 382 Message: 1094

Bill

I just received a TS 520.....it is in excellent condition and seems to work well. The vfo is somewhat erratic between 300 and 450 mhz. I plan to use the procedure you outlined to clean the vfo. Question? Will Deoxit contact cleaner substitute for the Cailube?

I have a 520,820,530,830.and a 930......all in excellent condition. This site is great for trying to keep them in top shape. Thanks to all who post information.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> Hi RayYou have to remove the vfo assembly and clean the sliding contact on the rear of the vfo tuning cap. remove your knob on the front, and the plate with four phillips screws in front. remove the four screws internally that are mounting the VFO to the chassis. Unplug the vfo power (2 pin) and output (rca coax). Carefully wiggle the VFO out from behind the front panel. Remove the cover of the VFO, careful to preserve the spacer washers on the rear stud. Use CAILUBE controls cleaner only, and spray a little on the VFO contact. Plug VFO in again, power up rig (no filaments), turn on the CAL and listen to the markers as you tune from one end of the vfo travel to the other using the stub shaft that the big knob goes on. Turn it back and forth until all markers come in clearly with no "grunge" or jumpiness. While you have the VFO open, resolder the flying leads inside, that go to the tuning coil and the tuning cap. This will "relax" any tension that are on these joints and will reduce temperature drift. Put everything back together and enjoy ten more years together. bill K0ZL
>
> rayfennessey <ray@l...> wrote:Hi,
>
> The VFO on my TS-520SE is almost impossible to tune between 350 and
> 500khz. This happened once before and, with heavy use, corrected
> itself leading me to believe it was dirty. Has anyone else
> experienced this problem and, if so, how did you resolve it.
>
> Many Thanks,
>
> Ray N1QPT
>
>

>
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>
> [Non-text portions of this message have been removed]

1095. Re: [TS-520_820_530_830] tuning up question.TS-530.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 15:54:06 UTC
From: Bill K0ZL
Topic: 1093 Message: 1095

CW output should correspond to peak SSB output. SSB
peaks will actually be a little more (as measured on a
TRUE peak-reading meter or a scope) than on CW due to
power supply sag not being such a factor in SSB.

How are you measuring "peaks"?

Tune up for max smoke in CW mode and then only worry
about getting the ALC meter to kick with the mic gain.

bill

--- blobby12uk <g7jhw@...> wrote:
> Wwhen tuning up I get between 110 to 100 watts from
> the lowest band
> to 10metres.
> Should tuning up for max out in cw equate to max
> output on ssb.
> Whay I am asking this ,if I follow the tune up
> procedure according to
> the manual for ssb I find the peak output is less
> than if I Tune up
> in cw mode.Then measure peak output in ssb.
> Hope this question makes sense.
> Regards
> Bob/G7JHW
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1096. Re: [TS-520_820_530_830] Re: TS-520SE VFO CLEANING INSTRUCTIONS.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 16:04:00 UTC
From: Bill K0ZL
Topic: 382 Message: 1096

Yes, deoxit will also work. I prefer Cailube if you
can get it; it will last longer but if you are a
non-smoker it should not be an issue.

Thanks for the comments on the group; we have helped
many here. These rigs are too big to ship for simple
problems, that is for sure.

73,

Bill K0ZL

--- au20061 <au2006@...> wrote:
> Bill
>
> I just received a TS 520.....it is in excellent
> condition and seems
> to work well. The vfo is somewhat erratic between
> 300 and 450 mhz. I
> plan to use the procedure you outlined to clean the
> vfo. Question?
> Will Deoxit contact cleaner substitute for the
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> I have a 520,820,530,830.and a 930......all in
> excellent condition.
> This site is great for trying to keep them in top
> shape. Thanks to
> all who post information.
>
> Tom K4KFN
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill
> <coorsbill@y...>
> wrote:
> > Hi RayYou have to remove the vfo assembly and
> clean the sliding
> contact on the rear of the vfo tuning cap. remove
> your knob on the
> front, and the plate with four phillips screws in
> front. remove the
> four screws internally that are mounting the VFO to
> the chassis.
> Unplug the vfo power (2 pin) and output (rca coax).
> Carefully wiggle

> the VFO out from behind the front panel. Remove the
> cover of the
> VFO, careful to preserve the spacer washers on the
> rear stud. Use
> CAILUBE controls cleaner only, and spray a little on
> the VFO
> contact. Plug VFO in again, power up rig (no
> filaments), turn on the
> CAL and listen to the markers as you tune from one
> end of the vfo
> travel to the other using the stub shaft that the
> big knob goes on.
> Turn it back and forth until all markers come in
> clearly with
> no "grunge" or jumpiness. While you have the VFO
> open, resolder the
> flying leads inside, that go to the tuning coil and
> the tuning cap.
> This will "relax" any tension that are on these
> joints and will
> reduce temperature drift. Put everything back
> together and enjoy ten
> more years together. bill K0ZL
> >
> > rayfennessey <ray@l...> wrote:Hi,
> >
> > The VFO on my TS-520SE is almost impossible to
> tune between 350
> and
> > 500khz. This happened once before and, with heavy
> use, corrected
> > itself leading me to believe it was dirty. Has
> anyone else
> > experienced this problem and, if so, how did you
> resolve it.
> >
> > Many Thanks,
> >
> > Ray N1QPT
> >
> >
> >
> >
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1097. ts530 reliability

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 17:19:32 UTC
From: g4jbr
Topic: 1097 Message: 1097

hi
i bought my 530s second hand in 1979 it's been the main rig ever since i was very active to start with (5 band dxcc barefoot to a dipole fed with tuned feeder etc)less active now but all that went wrong ,apart from finals and driver was dirty relay contacts and a failed 6.8 microF in finals box.
73 pete g4jbr

1098. Re: tuning up question.TS-530.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 18:12:52 UTC
From: blobby12uk
Topic: 1093 Message: 1098

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> CW output should correspond to peak SSB output. SSB
> peaks will actually be a little more (as measured on a
> TRUE peak-reading meter or a scope) than on CW due to
> power supply sag not being such a factor in SSB.
>
> How are you measuring "peaks"?
>
> Tune up for max smoke in CW mode and then only worry
> about getting the ALC meter to kick with the mic gain.
>
> bill
>
> --- blobby12uk <g7jhw@n...> wrote:
> > Wwhen tuning up I get between 110 to 100 watts from
> > the lowest band
> > to 10metres.
> > Should tuning up for max out in cw equate to max
> > output on ssb.
> > Whay I am asking this ,if I follow the tune up
> > procedure according to
> > the manual for ssb I find the peak output is less
> > than if I Tune up
> > in cw mode.Then measure peak output in ssb.
> > Hope this question makes sense.
> > Regards
> > Bob/G7JHW
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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>
> ---------------------------------
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>I understand having read your reply.
everything is fine ,it is me getting used to it.Unlike the ic706
series ,just switch on and go.
Regards/Bob/G7JHW

1099. vfo: 520 vs 520s and 820 vs 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-09 10:27:26 UTC
From: au20061
Topic: 1099 Message: 1099

What is the difference between these vfo's. I have a TS 520se and would like to know which vfo will work? Any or all of the above?

Thanks

Tom K4KFN

1100. Equipment necessary??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-09 13:24:41 UTC
From: Phono-Guy
Topic: 1100 Message: 1100

Hi all,

I'm new to this group, glad to find it....

I still have my original novice rig from 1976 a TS 520S ... needs a tuneup!!

recently picked up a TS690S, and a TS830

My question is what equipment should I have to perform at least minimum repairs on these rigs?

Back to reading the mail

73, Clint

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[Non-text portions of this message have been removed]

1101. Re: [TS-520_820_530_830] Equipment necessary??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-09 14:04:19 UTC
From: Bill K0ZL
Topic: 1100 Message: 1101

Temperature-controlled 25 or 40 watt iron is
mandatory, something with a good stand and 3 wire
grounded plug. Expect to pay 85-180 for one.

Good DVM.. cheapies work fine but if you want
something that will last, any of the Fluke 70 series
is fine.

bill

--- Phono-Guy <taephono@...> wrote:
>
> Hi all,
>
> I'm new to this group, glad to find it....
>
> I still have my original novice rig from 1976 a TS
> 520S ... needs a tuneup!!
>
> recently picked up a TS690S, and a TS830
>
> My question is what equipment should I have to
> perform at least minimum repairs on these rigs?
>
> Back to reading the mail
>
> 73, Clint
>
>
>
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1102. Re: TS-520SE VFO CLEANING INSTRUCTIONS.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-08 22:58:40 UTC
From: Jonathan
Topic: 382 Message: 1102

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Yes, deoxit will also work. I prefer Cailube if you
> can get it; it will last longer but if you are a
> non-smoker it should not be an issue.

Bill, Neither one of these products is available locally.....I have
a can of contact cleaner from Radio Shack, will that perform the
same job comparibly? or should I order a can or bottle of Cailube
(which container do you prefer)to be sure the job is done right.
Jon

1103. Re: [TS-520_820_530_830] Re: TS-520SE VFO CLEANING INSTRUCTIONS.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-09 17:07:09 UTC
From: Bill K0ZL
Topic: 382 Message: 1103

NOTHING is available locally here, either. I order in
everything.

I think the RS cleaner will work. It's really not
that hard to get the VFO out later if you have to
re-do it.

bill

--- Jonathan <shippyyohann2000@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Yes, deoxit will also work. I prefer Cailube if
> you
> > can get it; it will last longer but if you are a
> > non-smoker it should not be an issue.
>
>
> Bill, Neither one of these products is available
> locally.....I have
> a can of contact cleaner from Radio Shack, will that
> perform the
> same job comparibly? or should I order a can or
> bottle of Cailube
> (which container do you prefer)to be sure the job is
> done right.
> Jon
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1104. TS 520 xmitter help

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-09 15:17:55 UTC
From: Kirk David Revitzer
Topic: 1104 Message: 1104

Hello group! I am new to the group and the Keenwood TS-520S. I am having a problem tuning the transmitter. I get through the the initial tuning up to peaking the Drive but when it comes to Plate Tuning I have a problem. I have the mode switch in Tune, Meter in IP, swith to Send and I can't dip - there's nothing there to dip!! I've been reading my manual on CD but haven't got and hints yet. Thanks in advance for any help!

Kirk - N8MHT

1105. Re: [TS-520_820_530_830] TS 520 xmitter help

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 01:14:24 UTC
From: Bill K0ZL
Topic: 1104 Message: 1105

Filaments glowing on the tubes?

b

--- Kirk David Revitzer <kirk620@...> wrote:
> Hello group! I am new to the group and the Keenwood
> TS-520S. I am
> having a problem tuning the transmitter. I get
> through the the
> initial tuning up to peaking the Drive but when it
> comes to Plate
> Tuning I have a problem. I have the mode switch in
> Tune, Meter in IP,
> swith to Send and I can't dip - there's nothing
> there to dip!!
> I've been reading my manual on CD but haven't got
> and hints yet.
> Thanks in advance for any help!
>
> Kirk - N8MHT
>
>
>
>

=====

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1106. TS 820s - PTT Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 02:11:11 UTC
From: au20061
Topic: 1106 Message: 1106

I just received an 820 today. It loads up ok and everything seems to be ok with one exception. When I release the PTT mike there is a slight delay(2-3 seconds) before the rig switches to receive. It acts like the vox delay. I know my mike is wired proerly because it works fine with my 520. The vox switch is set on manual.

Any ideas?

Tom K4KFN

1107. Re: [TS-520_820_530_830] TS 820s - PTT Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 03:48:51 UTC
From: Bill K0ZL
Topic: 1106 Message: 1107

Clean the relay near the AF unit, under neath, behind
VFO area

b

--- au20061 <au2006@...> wrote:
> I just received an 820 today. It loads up ok and
> everything seems to
> be ok with one exception. When I release the PTT
> mike there is a
> slight delay(2-3 seconds) before the rig switches to
> receive. It
> acts like the vox delay. I know my mike is wired
> proerly because it
> works fine with my 520. The vox switch is set on
> manual.
>
> Any ideas?
>
> Tom K4KFN
>
>

=====

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1108. Re: Kenwood TS-520 - Frequency Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 04:59:44 UTC
From: ab8sg
Topic: 1092 Message: 1108

You will have to bring three signal outputs for BFO, CAR, and HET from the appropriate points inside to use an aftermarket freq counter. www.aade.com sells counter kits. I use one on my 520S. I think he has instructions on his site for where to pick up the signals. If not, I can point you to the schematics for the correct pickup points. Installing three rca type jacks on the back of the case like on the 520S would be my approach.

73

Kelly

--- In TS-520_820_530_830@yahoogroups.com, "Steve Wilhite" <steve.wilhite@p...> wrote:
> I am attempting to purchase an early model TS-520 that does not have
> the plug in for s DG-5 hookup.
>
> Is there any after-market units that will help display the frequency
> on this unit.
>
> Thanks,,
> Steve

1109. VFO 820 sub dial slipping.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 05:02:55 UTC
From: ab8sg
Topic: 1109 Message: 1109

I have a VFO-820 with my 520S. The VFO tunes perfectly, however the sub dial does not track correctly. It will track from 0 until about 40 and then stop. Any suggestions on what needs cleaned / tightened and how to do it would be greatly appreciated. Also looking for an exploded drawing of the assembly?

1110. VFO 820 sub dial slipping.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 05:02:56 UTC
From: ab8sg
Topic: 1109 Message: 1110

I have a VFO-820 with my 520S. The VFO tunes perfectly, however the sub dial does not track correctly. It will track from 0 until about 40 and then stop. Any suggestions on what needs cleaned / tightened and how to do it would be greatly appreciated. Also looking for an exploded drawing of the assembly?

1111. Re: TS 820s - PTT Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 05:06:06 UTC
From: au20061
Topic: 1106 Message: 1111

Bill

I have the top and bottom covers off. I see the antenna relay on the bottom behind the vfo. Does the relay unit unplug? Does the plastic cover come off so I can clean the contacts? I don't want to force anything and the service manual does give give much information.

Thanks for your help.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Clean the relay near the AF unit, under neath, behind
> VFO area
>
> b
>
> --- au20061 <au2006@b...> wrote:
> > I just received an 820 today. It loads up ok and
> > everything seems to
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> > mike there is a
> > slight delay(2-3 seconds) before the rig switches to
> > receive. It
> > acts like the vox delay. I know my mike is wired
> > proerly because it
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> > manual.
> >
> > Any ideas?
> >
> > Tom K4KFN
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1112. Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 15:00:50 UTC
From: falcon2448
Topic: 1083 Message: 1112

--- In TS-520_820_530_830@yahoogroups.com, "blobby12uk"
<g7jhw@n...> wrote:
> Just bought my self a TS-530S ,all appears well with it.
Good 100watts
> out ,good rx etc.
> What concerns me is the reliability ,such as the high
voltage
> electrolytics,valves etc.
> Is there anything I should keep my eye on,should I aquire
spares etc.
> It will get quite a bit of use.
> What are peoples experiences with the set.
> I am sorry if the question is a bit watery but any comments
will be
> appreciated.
> Regards
> Bob/G7JHW

I have a 530S and it's doing a great job. I did have to
align it since it hadn't been touched since new. Some bone
head put a switch on the back for "11 meters" so I removed
it. Should give you many years of great service. I would
advise obtaining the service manual. Makes servicing the rig
much easier and it has the parts list.

Michael
DA1TNJ / WB8TNJ

1113. RE: [TS-520_820_530_830] Re: Kenwood TS-520 - Frequency Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 15:24:38 UTC
From: Steve Wilhite
Topic: 1092 Message: 1113

Thanks, Kelly. I appreciate the response. I will be getting the
radio/vfo/speaker etc this next week and may be giving you a holler.

Thanks,,

Steve

Steven L. Wilhite de KD5WQS

' Lone Oak Office: 903.662.5024

v Cellular: 903.450.3969

* Efax: 914.470.8798

Email: steve.wilhite@...

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-----Original Message-----
From: ab8sg [mailto:kmaiden@...]
Sent: Friday, January 09, 2004 11:00 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Kenwood TS-520 - Frequency Display

You will have to bring three signal outputs for BFO, CAR, and HET
from the appropriate points inside to use an aftermarket freq
counter. www.aade.com sells counter kits. I use one on my 520S. I
think he has instructions on his site for where to pick up the
signals. If not, I can point you to the schematics for the correct
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case like on the 520S would be my approach.

73

Kelly

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<steve.wilhite@p...> wrote:
> I am attempting to purchase an early model TS-520 that does not
have
> the plug in for s DG-5 hookup.
>
> Is there any after-market units that will help display the
frequency
> on this unit.
>
> Thanks,,
> Steve

_____

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1114. Re: [TS-520_820_530_830] Re: TS 820s - PTT Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 17:37:46 UTC
From: Bill K0ZL
Topic: 1106 Message: 1114

Tom,
It's been a while since I worked on one of these,
can't remember (I do about 250 rigs a year).

I think it will unplug; then you can carefully pry the
cover off with a small screwdriver.

Then cut small (1/8" x 3/4") strips off a dollar bill
and soak them in contact cleaner; drag the through the
relay contacts, manipulating the relay arm as needed
to get all contact sets.

bill

--- au20061 <au2006@...> wrote:
> Bill
>
> I have the top and bottom covers off. I see the
> antenna relay on the
> bottom behind the vfo. Does the relay unit unplug?
> Does the plastic
> cover come off so I can clean the contacts? I don't
> want to force
> anything and the service manual does give give much
> information.
>
> Thanks for your help.
>
> Tom K4KFN
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Clean the relay near the AF unit, under neath,
> behind
> > VFO area
> >
> > b
> >
> > --- au20061 <au2006@b...> wrote:
> > > I just received an 820 today. It loads up ok and
> > > everything seems to
> > > be ok with one exception. When I release the PTT
> > > mike there is a

> > > slight delay(2-3 seconds) before the rig
> switches to
> > > receive. It
> > > acts like the vox delay. I know my mike is wired
> > > proerly because it
> > > works fine with my 520. The vox switch is set on
> > > manual.
> > >
> > > Any ideas?
> > >
> > > Tom K4KFN
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
> >
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Hotjobs: Enter the "Signing Bonus"
> Sweepstakes
> > http://hotjobs.sweepstakes.yahoo.com/signingbonus
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://hotjobs.sweepstakes.yahoo.com/signingbonus

1115. Repair shop

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-10 19:01:00 UTC
From: DW
Topic: 1036 Message: 1115

My $.02,

My rig, knock on head, is still OK, but if it
needed work that I can't handle myself, I'd try
Bill, the guy who set up & moderates this
website.
He's made who knows how many posts to help us all
out at zero profit to himself.

FWIW, I've never had any contact with him outside
of this list.

=====
DW White

KE6WYB, Shasta County, CA, CN80

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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http://hotjobs.sweepstakes.yahoo.com/signingbonus

1116. Re: [TS-520_820_530_830] Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 01:43:05 UTC
From: william stephenson
Topic: 1083 Message: 1116

Hi All,
i find lots of info on the web on the TS830, does most of this apply
to the TS530 as well, i understand they are allmost the same rig apart from
one or two points ?

73 de Bill G4KKI ONE SATISFIED 530S OWNER

----- Original Message -----
From: "falcon2448" <mwaldrop@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, January 10, 2004 3:00 PM
Subject: [TS-520_820_530_830] Re: ts-530s reliability?

> --- In TS-520_820_530_830@yahoogroups.com, "blobby12uk"
> <g7jhw@n...> wrote:
> > Just bought my self a TS-530S ,all appears well with it.
> Good 100watts
> > out ,good rx etc.
> > What concerns me is the reliability ,such as the high
> voltage
> > electrolytics,valves etc.
> > Is there anything I should keep my eye on,should I aquire
> spares etc.
> > It will get quite a bit of use.
> > What are peoples experiences with the set.
> > I am sorry if the question is a bit watery but any comments
> will be
> > appreciated.
> > Regards
> > Bob/G7JHW
>
> I have a 530S and it's doing a great job. I did have to
> align it since it hadn't been touched since new. Some bone
> head put a switch on the back for "11 meters" so I removed
> it. Should give you many years of great service. I would
> advise obtaining the service manual. Makes servicing the rig
> much easier and it has the parts list.
>
> Michael
> DA1TNJ / WB8TNJ
>
>
>
>
>
> Yahoo! Groups Links

>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to:
> http://docs.yahoo.com/info/terms/
>
>
>

1117. Re: [TS-520_820_530_830] Re: ts-530s reliability?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 02:42:43 UTC
From: Bill K0ZL
Topic: 1083 Message: 1117

Yes. The trouble spots on both rigs are the same.

bill

--- william stephenson <g4kki.bill@...>
wrote:
> Hi All,
> i find lots of info on the web on the TS830,
> does most of this apply
> to the TS530 as well, i understand they are allmost
> the same rig apart from
> one or two points ?
>
> 73 de Bill G4KKI ONE SATISFIED 530S OWNER
>
> ----- Original Message -----
> From: "falcon2448" <mwaldrop@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, January 10, 2004 3:00 PM
> Subject: [TS-520_820_530_830] Re: ts-530s
> reliability?
>
>
> > --- In TS-520_820_530_830@yahoogroups.com,
> "blobby12uk"
> > <g7jhw@n...> wrote:
> > > Just bought my self a TS-530S ,all appears well
> with it.
> > Good 100watts
> > > out ,good rx etc.
> > > What concerns me is the reliability ,such as the
> high
> > voltage
> > > electrolytics,valves etc.
> > > Is there anything I should keep my eye on,should
> I aquire
> > spares etc.
> > > It will get quite a bit of use.
> > > What are peoples experiences with the set.
> > > I am sorry if the question is a bit watery but
> any comments
> > will be
> > > appreciated.
> > > Regards
> > > Bob/G7JHW

> >
> > I have a 530S and it's doing a great job. I did
> have to
> > align it since it hadn't been touched since new.
> Some bone
> > head put a switch on the back for "11 meters" so I
> removed
> > it. Should give you many years of great service.
> I would
> > advise obtaining the service manual. Makes
> servicing the rig
> > much easier and it has the parts list.
> >
> > Michael
> > DA1TNJ / WB8TNJ
> >
> >
> >
> >
> >
> > Yahoo! Groups Links
> >
> > To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > Your use of Yahoo! Groups is subject to:
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> >
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>

=====

"If in doubt, MODIFY" --k0zl

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1118. ts820 relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 05:35:41 UTC
From: kb9wwq@qsl.net
Topic: 1118 Message: 1118

Tom,

Yes, the relays unplug, and the plastic covers can be removed.
There is a small lug on either side of the base that catches
into small holes in the cover. I use a jewelers screwdriver
and carefully lift the edge of the cover over the lugs. Don't
use anything abrasive to clean the contacts. I use a small strip
of paper soaked with alcohol. While you have the relay out, check
the contact resistance. My relay had a bad electrical connection
between one of the center contacts and the connecting pin through
the base that caused a similar problem as you describe. Also,
there are two relays which are the same. The antenna relay is at
the back of the rig. The one you want is the relay near the center.

--jay kb9wwq

Message: 12
Date: Sat, 10 Jan 2004 05:06:06 -0000
From: "au20061" <au2006@...>
Subject: Re: TS 820s - PTT Problem

Bill

I have the top and bottom covers off. I see the antenna relay on the
bottom behind the vfo. Does the relay unit unplug? Does the plastic
cover come off so I can clean the contacts? I don't want to force
anything and the service manual does give give much information.

Thanks for your help.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Clean the relay near the AF unit, under neath, behind
> VFO area
>
> b
>
> --- au20061 <au2006@b...> wrote:
> > I just received an 820 today. It loads up ok and
> > everything seems to
> > be ok with one exception. When I release the PTT
> > mike there is a
> > slight delay(2-3 seconds) before the rig switches to
> > receive. It
> > acts like the vox delay. I know my mike is wired

> > proerly because it
> > works fine with my 520. The vox switch is set on
> > manual.
> >
> > Any ideas?
> >
> > Tom K4KFN
> >
> >
>
>

1119. Re: ts820 relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 12:18:36 UTC
From: au20061
Topic: 1118 Message: 1119

Thanks Jay

I have the small jewelers screw driver. Now that I know exactly what
I am working with I can pry the cover off with some confidence.

I noticed the relay was made by Omron. Apparently the relay is no
longer made. Does a substitute exist out there? I noticed that Omron
makes a GR2 series that appears to have the same configuration.
Also, has a mod been posted to wire in a substitute relay if needed?

This site is most helpful thanks to Bill.

Tom

--- In TS-520_820_530_830@yahoogroups.com, kb9wwq@q... wrote:
> Tom,
>
> Yes, the relays unplug, and the plastic covers can be removed.
> There is a small lug on either side of the base that catches
> into small holes in the cover. I use a jewelers screwdriver
> and carefully lift the edge of the cover over the lugs. Don't
> use anything abrasive to clean the contacts. I use a small strip
> of paper soaked with alcohol. While you have the relay out, check
> the contact resistance. My relay had a bad electrical connection
> between one of the center contacts and the connecting pin through
> the base that caused a similar problem as you describe. Also,
> there are two relays which are the same. The antenna relay is at
> the back of the rig. The one you want is the relay near the
center.
>
> --jay kb9wwq
>
>
> Message: 12
> Date: Sat, 10 Jan 2004 05:06:06 -0000
> From: "au20061" <au2006@b...>
> Subject: Re: TS 820s - PTT Problem
>
> Bill
>
> I have the top and bottom covers off. I see the antenna relay on
the
> bottom behind the vfo. Does the relay unit unplug? Does the
plastic
> cover come off so I can clean the contacts? I don't want to force
> anything and the service manual does give give much information.

>
> Thanks for your help.
>
> Tom K4KFN
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > Clean the relay near the AF unit, under neath, behind
> > VFO area
> >
> > b
> >
> > --- au20061 <au2006@b...> wrote:
> > > I just received an 820 today. It loads up ok and
> > > everything seems to
> > > be ok with one exception. When I release the PTT
> > > mike there is a
> > > slight delay(2-3 seconds) before the rig switches to
> > > receive. It
> > > acts like the vox delay. I know my mike is wired
> > > proerly because it
> > > works fine with my 520. The vox switch is set on
> > > manual.
> > >
> > > Any ideas?
> > >
> > > Tom K4KFN
> > >
> > >
> >
> >

1120. ts-820 relays

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 21:41:12 UTC
From: kb9wwq@qsl.net
Topic: 1120 Message: 1120

Tom,

I am several states away from the rig at present and don't remember
who the maker of the relays in my 820 was, but I believe they are a
fairly common base, 4p dt relay. I wouldn't expect it to be too much
trouble to find something else that could be substituted directly.

Not having been a member of the group for very long, I can't comment on
posted modifications. But in the short time I've been here, I've gotten
several good ideas from Bill I didn't even know I needed!

73's, jay

> Date: Sun, 11 Jan 2004 12:18:36 -0000
> From: "au20061" <au2006@...>
>Subject: Re: ts820 relay
>
>Thanks Jay
>
>I have the small jewelers screw driver. Now that I know exactly what
>I am working with I can pry the cover off with some confidence.
>
>I noticed the relay was made by Omron. Apparently the relay is no
>longer made. Does a substitute exist out there? I noticed that Omron
>makes a GR2 series that appears to have the same configuration.
>Also, has a mod been posted to wire in a substitute relay if needed?
>
>This site is most helpful thanks to Bill.
>
>Tom
>

1121. Wtb: Transverter cable & VFo Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-11 22:54:44 UTC
From: n5nme
Topic: 1121 Message: 1121

I need a cable for the ts-520s and a transverter cable for the tv-506, please let me know if you have these and would sell either.

Thanks, John n5nme

1122. Re: Wtb: Transverter cable & VFo Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 02:15:47 UTC
From: Jim
Topic: 1121 Message: 1122

--- In TS-520_820_530_830@yahoogroups.com, "n5nme" <n5nme@y...>
wrote:
> I need a cable for the ts-520s and a transverter cable for the tv-
> 506, please let me know if you have these and would sell either.
>
> Thanks, John n5nme

John,

I don't know if anybody will volunteer to sell the cable, but I did manage to find a source for the extremely elusive Hirose 16-pin connectors. They are available for about $11 plus postage from a place outside London that will sell you ONE piece; got mine airmail in about four days.

http://www.electrovalue.co.uk/

The part is Hirose P-1316-CTA. The P-1316-CEA is virtually identical, but the cable exit is via the side of the housing instead of the rear. I don't have the pin-outs for the transverter cables, but maybe somebody else can post those.

73,
Jim

1123. ts 830 transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 12:49:19 UTC
From: g4jbr
Topic: 1123 Message: 1123

hi,
anyone have a redundant TS 830 transformer on the shelf or know where
to get one my friend has blown his up and would like to buy a
replacement.
73 Pete g4jbr

1124. 8145b,which ones

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 13:04:17 UTC
From: blobby12uk
Topic: 1124 Message: 1124

I looking to get my self a spare set of 6146b valves for my ts-530.I
can get them matched.
I can get either w or b types.General Electric 6146b or
some "chinese" 6146b.I think I am tempted to buy the GE ones.#
Can anyone make comments on above please.
Also 12by7a ,which make is recomended,etc.
Any comments will be appreciated.My wife doesnt want me to waste her
money.
Regards
Bob/G7JHW

1125. Re: [TS-520_820_530_830] 8145b,which ones

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 13:28:06 UTC
From: Bill K0ZL
Topic: 1124 Message: 1125

6146B only, no W please, and GE is fine.

Long term, less expensive solution.

I can run chinese tubes in my radios but I am a tech
and can fix things when they go "plink" and blow the
line fuse.

PS, everyone PLEASE check your line fuse; it MUST be 6
amps for 120v mains!!!

bill

--- blobby12uk <g7jhw@...> wrote:
> I looking to get my self a spare set of 6146b valves
> for my ts-530.I
> can get them matched.
> I can get either w or b types.General Electric 6146b
> or
> some "chinese" 6146b.I think I am tempted to buy the
> GE ones.#
> Can anyone make comments on above please.
> Also 12by7a ,which make is recomended,etc.
> Any comments will be appreciated.My wife doesnt want
> me to waste her
> money.
> Regards
> Bob/G7JHW
>
>
>

=====

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1126. Re: [TS-520_820_530_830] Re: Wtb: Transverter cable & VFo Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 17:55:31 UTC
From: John Sanders
Topic: 1121 Message: 1126

Jim, thanks for the info, I have never bought anything overseas like this before , but I e-mailed them and at least will get the cable made up so I can use the transverter. John n5nme
--- Jim <K1ZC@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, "n5nme" <n5nme@y...>
> wrote:
> > I need a cable for the ts-520s and a transverter cable for the tv-
> > 506, please let me know if you have these and would sell either.
> >
> > Thanks, John n5nme
>
> John,
>
> I don't know if anybody will volunteer to sell the cable, but I did
> manage to find a source for the extremely elusive Hirose 16-pin
> connectors. They are available for about $11 plus postage from a
> place outside London that will sell you ONE piece; got mine airmail
> in about four days.
>
> http://www.electrovalue.co.uk/
>
> The part is Hirose P-1316-CTA. The P-1316-CEA is virtually
> identical, but the cable exit is via the side of the housing instead
> of the rear. I don't have the pin-outs for the transverter cables,
> but maybe somebody else can post those.
>
> 73,
> Jim
>
>
>
>
> Yahoo! Groups Links
>

> To visit your group on the web, go to:
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>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> Your use of Yahoo! Groups is subject to:
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>
>

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1127. TS-520SE low signal strength

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 19:46:49 UTC
From: Art Burke
Topic: 1121 Message: 1127

I just received a TS-520SE and have been doing some signal strength comparisons with my TS830 and it seems as though the receiver sensitivity is down somewhat from my TS-830S.

What should I look for?
On 40 meters, they seem to be down about 10 db.

Thanks for the input and help,

Art

1128. Re: [TS-520_820_530_830] Re: Wtb: Transverter cable & VFo Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 22:49:29 UTC
From: Bill K0ZL
Topic: 1121 Message: 1128

Check out the mail rates to some "foreign" countries
from the US:

http://ircalc.usps.gov/

For small stuff you are going to find that it costs
just about as much to Global Express Mail something to
most foreign countries as it does to UPS something
CONUS>

So our world economy becomes smaller...

Share the wealth.

73,

Bill

--- John Sanders <n5nme@...> wrote:
> Jim, thanks for the info, I have never bought
> anything
> overseas like this before , but I e-mailed them and
> at
> least will get the cable made up so I can use the
> transverter. John n5nme
> --- Jim <K1ZC@...> wrote:
> > --- In TS-520_820_530_830@yahoogroups.com, "n5nme"
> > <n5nme@y...>
> > wrote:
> > > I need a cable for the ts-520s and a transverter
> > cable for the tv-
> > > 506, please let me know if you have these and
> > would sell either.
> > >
> > > Thanks, John n5nme
> > >
> > John,
> >
> > I don't know if anybody will volunteer to sell the
> > cable, but I did
> > manage to find a source for the extremely elusive
> > Hirose 16-pin
> > connectors. They are available for about $11 plus
> > postage from a
> > place outside London that will sell you ONE piece;
> > got mine airmail
> > in about four days.

> >
> > http://www.electrovalue.co.uk/
> >
> > The part is Hirose P-1316-CTA. The P-1316-CEA is
> > virtually
> > identical, but the cable exit is via the side of
> the
> > housing instead
> > of the rear. I don't have the pin-outs for the
> > transverter cables,
> > but maybe somebody else can post those.
> >
> > 73,
> > Jim
> >
> >
> >
> >
> > Yahoo! Groups Links
> >
> > To visit your group on the web, go to:
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> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
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> _____
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1129. Re: [TS-520_820_530_830] TS-520SE low signal strength

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 22:57:10 UTC
From: Bill K0ZL
Topic: 1121 Message: 1129

12 dB is roughly 2 s units.

Ignore the meters for a sec...

What does the 520 sound like? Is it pretty close on
band noise, say on 10M?

Check also on 80m. Listen to the band noise on both..
Lots of noise from surrounding homes; see that both
seem to hear about the same level of clicks, buzzes
and broadband computer monitor noise as the other.

If so, it's just a meter thang.

I have never ever replaced a front end transistor in
any of these rigs that helped a sensitivity issue...
it's always been either dirty relay contacts; or a bad
160 meter antenna transformer coil (yes, these are
also used as impedance transformers on all other
bands).

bill

--- Art Burke <mathtutoring@...> wrote:
> I just received a TS-520SE and have been doing some
> signal strength comparisons
> with my TS830 and it seems as though the receiver
> sensitivity is down
> somewhat from my TS-830S.
>
> What should I look for?
> On 40 meters, they seem to be down about 10 db.
>
> Thanks for the input and help,
>
> Art
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1130. Re: Rig repair equipment

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 23:38:04 UTC
From: Phono-Guy
Topic: 1130 Message: 1130

Thanks Bill,
for this info...

73,
Clint

Date: Fri, 9 Jan 2004 06:04:19 -0800 (PST)
From: Bill K0ZL
Subject: Re: Equipment necessary??

Temperature-controlled 25 or 40 watt iron is
mandatory, something with a good stand and 3 wire
grounded plug. Expect to pay 85-180 for one.

Good DVM.. cheapies work fine but if you want
something that will last, any of the Fluke 70 series
is fine.

bill

--- Phono-Guy wrote:
>
> Hi all,
>
> I'm new to this group, glad to find it....
>
> I still have my original novice rig from 1976 a TS
> 520S ... needs a tuneup!!
>
> recently picked up a TS690S, and a TS830
>
> My question is what equipment should I have to
> perform at least minimum repairs on these rigs?
>
> Back to reading the mail
>
> 73, Clint

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[Non-text portions of this message have been removed]

1131. Re: [TS-520_820_530_830] ts 830 transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-12 19:06:44 UTC
From: PEARL BUTLER
Topic: 1123 Message: 1131

"E" Bay has a new transformer for a 530s, for $9.95, item #3070515725
Hope this is what you need!
Jimbo KD5YTS 73s

----- Original Message -----
From: g4jbr
Sent: Monday, January 12, 2004 6:49 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ts 830 transformer

hi,
anyone have a redundant TS 830 transformer on the shelf or know where
to get one my friend has blown his up and would like to buy a
replacement.
73 Pete g4jbr

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1132. Cable Pin out

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 12:25:58 UTC
From: n5nme
Topic: 1132 Message: 1132

Can someone send me the cable pin out from a ts-520 transverter jack to a tv-506?

thanks, John

1133. ts-520se meter problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 15:49:34 UTC
From: ka9vaa
Topic: 1133 Message: 1133

I have a 502se and a 830s, when receiving a station on the 830 the meter reads a 5/9, switching to the 520 the meter does not move. It does this on all bands, I am sure the 830 is pretty close to right from the sound of the stations. Anyone have any ideas why this is happening? Switching the 520 meter from alc-rf-ip does not change it, stays the same5/1.
Thank you for any help.

tom ka9vaa

1134. Re: ts-520se meter problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 17:30:43 UTC
From: José Pedro Alvarez
Topic: 1133 Message: 1134

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> I have a 502se and a 830s, when receiving a station on the 830 the
> meter reads a 5/9, switching to the 520 the meter does not move. It
> does this on all bands, I am sure the 830 is pretty close to right
> from the sound of the stations. Anyone have any ideas why this is
> happening? Switching the 520 meter from alc-rf-ip does not change
it,
> stays the same5/1.
> Thank you for any help.
>
> tom ka9vaa

Tom,

In my TS-820S if the AGC switch is in the off position the S-meter is
disabled. Maybe it's the case in your TS-520ES.

Jose Pedro
CA3RVF

1135. Re: [TS-520_820_530_830] ts-520se meter problem.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 20:21:12 UTC
From: Bill K0ZL
Topic: 1133 Message: 1135

Are they both hearing weak stations OK?

Does the 520 meter work for other things, such as
plate current, ALC and HV?

bill

--- ka9vaa <ka9vaa@...> wrote:
> I have a 502se and a 830s, when receiving a station
> on the 830 the
> meter reads a 5/9, switching to the 520 the meter
> does not move. It
> does this on all bands, I am sure the 830 is pretty
> close to right
> from the sound of the stations. Anyone have any
> ideas why this is
> happening? Switching the 520 meter from alc-rf-ip
> does not change it,
> stays the same5/1.
> Thank you for any help.
>
> tom ka9vaa
>
>

=====

"If in doubt, MODIFY" --k0zl

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1136. Kenwood radios pre TS520 & 820 lines

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 20:44:38 UTC
From: Phono-Guy
Topic: 1136 Message: 1136

I'm looking for images, specs for any Kenwood radios manufactured prior to the TS520 & 820 radios.

73

Clint

WS1V

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[Non-text portions of this message have been removed]

1137. Re: ts820 relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-15 23:54:22 UTC
From: au20061
Topic: 1118 Message: 1137

I just got the relays cleaned and back in the 820. All seems to be working fine. I followed Bill's instructions using the dollar bill and the deoxit cleaner. The 820 has two identical relays(Omron MH4P). I cleaned them both. Had to be careful taking the plastic cover off but it will come off.

I have spent considerable time looking for a suitable substitute to the MH4P relay. I do have the data sheet on the MH4P if anyone needs it, let me know. NTE makes an R16 series that is physically the same as the MH4P. The NTE number is R16-17D5-12. Tyco makes the R10 series R10-E1X4-V185. Magnecraft makes the class 67 series W67RCSX-7. They all show a mounting stud that the MH4P does not have. You may be able to get them without the stud. The problem I have not resolved is the coil impedance of the MH4P is 300 ohms(plus or minus). The standard impedance of the substitutes I have listed is 185 ohms.The MH4P data sheet identified a 12 volt relay with a 270 ohm impedance. It was listed as a sensitive relay as opposed to the standard 185 ohm resistance. Can anyone comment on what problems this will cause trying a relay with a smaller coil impedance?

What is anybody's experience in trying to find a substitute for the Omron MH4P(no longer made).

Thanks

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, "au20061" <au2006@b...> wrote:
> Thanks Jay
>
> I have the small jewelers screw driver. Now that I know exactly what
> I am working with I can pry the cover off with some confidence.
>
> I noticed the relay was made by Omron. Apparently the relay is no
> longer made. Does a substitute exist out there? I noticed that Omron
> makes a GR2 series that appears to have the same configuration.
> Also, has a mod been posted to wire in a substitute relay if needed?
>
> This site is most helpful thanks to Bill.
>
> Tom
>

> --- In TS-520_820_530_830@yahoogroups.com, kb9wwq@q... wrote:
> > Tom,
> >
> > Yes, the relays unplug, and the plastic covers can be removed.
> > There is a small lug on either side of the base that catches
> > into small holes in the cover. I use a jewelers screwdriver
> > and carefully lift the edge of the cover over the lugs. Don't
> > use anything abrasive to clean the contacts. I use a small strip
> > of paper soaked with alcohol. While you have the relay out,
check
> > the contact resistance. My relay had a bad electrical connection
> > between one of the center contacts and the connecting pin through
> > the base that caused a similar problem as you describe. Also,
> > there are two relays which are the same. The antenna relay is at
> > the back of the rig. The one you want is the relay near the
> center.
> >
> > --jay kb9wwq
> >
> >
> > Message: 12
> > Date: Sat, 10 Jan 2004 05:06:06 -0000
> > From: "au20061" <au2006@b...>
> > Subject: Re: TS 820s - PTT Problem
> >
> > Bill
> >
> > I have the top and bottom covers off. I see the antenna relay on
> the
> > bottom behind the vfo. Does the relay unit unplug? Does the
> plastic
> > cover come off so I can clean the contacts? I don't want to
force
> > anything and the service manual does give give much information.
> >
> > Thanks for your help.
> >
> > Tom K4KFN
> >
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > <coorsbill@y...> wrote:
> > > Clean the relay near the AF unit, under neath, behind
> > > VFO area
> > >
> > > b
> > >
> > > --- au20061 <au2006@b...> wrote:
> > > > I just received an 820 today. It loads up ok and

> > > > everything seems to
> > > > be ok with one exception. When I release the PTT
> > > > mike there is a
> > > > slight delay(2-3 seconds) before the rig switches to
> > > > receive. It
> > > > acts like the vox delay. I know my mike is wired
> > > > proerly because it
> > > > works fine with my 520. The vox switch is set on
> > > > manual.
> > > >
> > > > Any ideas?
> > > >
> > > > Tom K4KFN
> > > >
> > > >
> > >
> > >

1138. Another (different) meter question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-16 00:19:54 UTC
From: peninhal
Topic: 1138 Message: 1138

Well, I was "tuning up" my TS-520s for the first time this afternoon, but ran into a question. The meter functions fine for all (IP, Drive, Plate, etc.) and recieves/tranmits fine, but I get no meter reading for ALC adjustment. Could this just be a dirty contact? Or is it more serious and not affecting rx/tx yet? Any comments appreciated.

73,
Harold
KD7YOE
email - KD7YOE@...

[Non-text portions of this message have been removed]

1139. Re: [TS-520_820_530_830] Another (different) meter question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-16 02:53:50 UTC
From: Bill K0ZL
Topic: 1138 Message: 1139

ALC reading depends on the radio developing sufficient
drive to overdrive the grids of the finals, which
causes the tubes to draw grid current. Don't worry,
that's a normal state of affairs for a class AB1 tube
amplifier. But if you don't have enough drive to make
the grids go positive and draw current, there will be
no ALC indication, since that is what it is derived
from. Short answer? Tune up the RF deck.

bill

--- peninhal <peninhal@...> wrote:
> Well, I was "tuning up" my TS-520s for the first
> time this afternoon, but ran into a question. The
> meter functions fine for all (IP, Drive, Plate,
> etc.) and recieves/tranmits fine, but I get no meter
> reading for ALC adjustment. Could this just be a
> dirty contact? Or is it more serious and not
> affecting rx/tx yet? Any comments appreciated.
>
> 73,
> Harold
> KD7YOE
> email - KD7YOE@...
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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1140. Re: [TS-520_820_530_830] Re: ts820 relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-16 11:32:05 UTC
From: Bill K0ZL
Topic: 1118 Message: 1140

http://www.kenselectronics.com/lists/relays.htm

He lists the MH4P.

bill

--- au20061 <au2006@...> wrote:
> I just got the relays cleaned and back in the 820.
> All seems to be
> working fine. I followed Bill's instructions using
> the dollar bill
> and the deoxit cleaner. The 820 has two identical
> relays(Omron
> MH4P). I cleaned them both. Had to be careful taking
> the plastic
> cover off but it will come off.
>
> I have spent considerable time looking for a
> suitable substitute to
> the MH4P relay. I do have the data sheet on the MH4P
> if anyone needs
> it, let me know. NTE makes an R16 series that is
> physically the same
> as the MH4P. The NTE number is R16-17D5-12. Tyco
> makes the R10
> series R10-E1X4-V185. Magnecraft makes the class 67
> series W67RCSX-
> 7. They all show a mounting stud that the MH4P does
> not have. You
> may be able to get them without the stud. The
> problem I have not
> resolved is the coil impedance of the MH4P is 300
> ohms(plus or
> minus). The standard impedance of the substitutes I
> have listed is
> 185 ohms.The MH4P data sheet identified a 12 volt
> relay with a 270
> ohm impedance. It was listed as a sensitive relay as
> opposed to the
> standard 185 ohm resistance. Can anyone comment on
> what problems
> this will cause trying a relay with a smaller coil
> impedance?
>
> What is anybody's experience in trying to find a
> substitute for the

> Omron MH4P(no longer made).
>
> Thanks
>
> Tom K4KFN
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "au20061"
> <au2006@b...>
> wrote:
> > Thanks Jay
> >
> > I have the small jewelers screw driver. Now that I
> know exactly
> what
> > I am working with I can pry the cover off with
> some confidence.
> >
> > I noticed the relay was made by Omron. Apparently
> the relay is no
> > longer made. Does a substitute exist out there? I
> noticed that
> Omron
> > makes a GR2 series that appears to have the same
> configuration.
> > Also, has a mod been posted to wire in a
> substitute relay if
> needed?
> >
> > This site is most helpful thanks to Bill.
> >
> > Tom
> >
> > --- In TS-520_820_530_830@yahoogroups.com,
> kb9wwq@q... wrote:
> > > Tom,
> > >
> > > Yes, the relays unplug, and the plastic covers
> can be removed.
> > > There is a small lug on either side of the base
> that catches
> > > into small holes in the cover. I use a jewelers
> screwdriver
> > > and carefully lift the edge of the cover over
> the lugs. Don't
> > > use anything abrasive to clean the contacts. I
> use a small strip
> > > of paper soaked with alcohol. While you have
> the relay out,
> check

> > > the contact resistance. My relay had a bad
> electrical connection
> > > between one of the center contacts and the
> connecting pin through
> > > the base that caused a similar problem as you
> describe. Also,
> > > there are two relays which are the same. The
> antenna relay is at
> > > the back of the rig. The one you want is the
> relay near the
> > center.
> > >
> > > --jay kb9wwq
> > >
> > >
> > > Message: 12
> > > Date: Sat, 10 Jan 2004 05:06:06 -0000
> > > From: "au20061" <au2006@b...>
> > > Subject: Re: TS 820s - PTT Problem
> > >
> > > Bill
> > >
> > > I have the top and bottom covers off. I see the
> antenna relay on
> > the
> > > bottom behind the vfo. Does the relay unit
> unplug? Does the
> > plastic
> > > cover come off so I can clean the contacts? I
> don't want to
> force
> > > anything and the service manual does give give
> much information.
> > >
> > > Thanks for your help.
> > >
> > > Tom K4KFN
> > >
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > > <coorsbill@y...> wrote:
> > > > Clean the relay near the AF unit, under neath,
> behind
> > > > VFO area
> > > >
> > > > b
> > > >
> > > > --- au20061 <au2006@b...> wrote:

> > > > > I just received an 820 today. It loads up ok
> and
> > > > > > everything seems to
> > > > > > be ok with one exception. When I release the
> PTT
> > > > > > mike there is a
> > > > > > slight delay(2-3 seconds) before the rig
> switches to
> > > > > > receive. It
> > > > > > acts like the vox delay. I know my mike is
> wired
> > > > > > proerly because it
> > > > > > works fine with my 520. The vox switch is
> set on
> > > > > > manual.
> > > > > >
> > > > > > Any ideas?
> > > > > >
> > > > > > Tom K4KFN
> > > > > >
> > > > > >
> > > > >
> > > > >
> >
>

=====

"If in doubt, MODIFY" --k0zl

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1141. Re: [TS-520_820_530_830] Re: ts820 relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-17 15:02:50 UTC
From: rwagner617@aol.com
Topic: 1118 Message: 1141

Greeting,

I found the only difference between the relays in the TS-820 is that the antenna relay has "larger contacts" to handle more current.

I also have been unable to find a replacement for the antenna relay and if you do please let me know.

Bob
WA6OJJ

[Non-text portions of this message have been removed]

1142. Need Info abt Kenwood DFC-230 Frequency Controller for TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-17 16:09:24 UTC
From: Ariel Katz
Topic: 1142 Message: 1142

Hello!
I?m about to purchase a DFC230 frequency controller
for my TS-830S, because
I can?t find any VFO-230 in this art of the world.

I has no manual and it is the first time I know about
it exists. I need any
advise about the DFC230 and some reviews if somebody
knows it.

Thanks in advance and 73

Ariel, LU4OO

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1143. Neutralization of finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-18 11:24:34 UTC
From: ka9vaa
Topic: 1143 Message: 1143

Is there anyway of telling if the finals have been neutralized? I have a chance to buy a used 530, (the only model I don't have) the owner says he put new tubes in it. Maybe I should try neutralizing them again or? How does a rig react out of neutralization.

Thank you all for any suggestions.

1144. Re: [TS-520_820_530_830] Neutralization of finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-18 14:11:23 UTC
From: Bill K0ZL
Topic: 1143 Message: 1144

When tuning, the plate current dips. ON either side of
the dip, the rise should be roughly equal, and
symmetric, same rise on either side. Check on 20M.

Also, into a dummy load, the plate dip will correspond
closely with max RF output in CW mode, max smoke.

When adjusting neutralization, this is what you go
for.

b

--- ka9vaa <ka9vaa@...> wrote:
> Is there anyway of telling if the finals have been
> neutralized? I
> have a chance to buy a used 530, (the only model I
> don't have) the
> owner says he put new tubes in it. Maybe I should
> try neutralizing
> them again or? How does a rig react out of
> neutralization.
>
> Thank you all for any suggestions.
>
>

=====

"If in doubt, MODIFY" --k0zl

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1145. Interfacing TS-520 to MFJ 1275T

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-18 19:18:05 UTC
From: Norman Young
Topic: 1145 Message: 1145

OK, I start by admitting that I am not the brightest bulb in the chandelier, but I have a problem that has me stumped!

I have a TS-520 that I am trying to interface with an MFJ 1275T Sound Card Interface. This is the 4 pin model mic connector model. I have been able to get the receive to function FB, but I am having a problem with the transmit. There are a set of seven jumper connections inside the MFJ unit that have to be set to match the mic pin configuration of the particular radio. From the factory, the interface is set to match several different radios including the TS-520S, but not the TS-520. I cannot get it to key the TS-520 using that configuration, and I don't know whether it is because (1) my mic configuration is wrong, or (2) my com port is not talking to the unit.

The manual has a procedure for determining the proper pin configuration for radios not listed, but I have not been able to figure it out. According to the manual, my mic configuration is as follows:

Pin 1 - Mic element center.
Pin 2 - PTT.
Pin 3 - PTT ground.
Pin 4 - Mic element ground.

So, here are my questions:

1. Is the mic configuration of the TS-520 different from the TS-520S?
2. If so, and if you are running the MFJ 1275T, what are the jumper connections for each header? I pride myself in being able to figure these things out on my own, but to my mind, at least, the MFJ manual on how to do this is clear as mud!

Obviously, if the mic configuration is OK, then I need to start looking at the com port on the computer to see whether it is talking to the interface, but I want to make sure I've set up the interface right first.

Any help will be greatly appreciated!

Also, if you can help. please cc me directly as I get the digest only, and if someone knows the answer, I can finish setting this thing up and play a little radio since I have tomorrow off.

Thanks in advance.

73,
Norman
KA4PUV

1146. Re: [TS-520_820_530_830] Interfacing TS-520 to MFJ 1275T

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-18 19:52:52 UTC
From: af4ld@aol.com
Topic: 1145 Message: 1146

In a message dated 1/18/2004 2:19:20 PM Eastern Standard Time,
normany@... writes:

> Subj: [TS-520_820_530_830] Interfacing TS-520 to MFJ 1275T
> Date: 1/18/2004 2:19:20 PM Eastern Standard Time
> From: normany@...
> Reply-to: TS-520_820_530_830@yahoogroups.com
> To: TS-520_820_530_830@yahoogroups.com
> Sent from the Internet
>
>
>
> OK, I start by admitting that I am not the brightest bulb in the chandelier,
> but I have a problem that has me stumped!
>
> I have a TS-520 that I am trying to interface with an MFJ 1275T Sound Card
> Interface. This is the 4 pin model mic connector model. I have been able to
> get the receive to function FB, but I am having a problem with the transmit.
> There are a set of seven jumper connections inside the MFJ unit that have to
> be set to match the mic pin configuration of the particular radio. From the
> factory, the interface is set to match several different radios including
> the TS-520S, but not the TS-520. I cannot get it to key the TS-520 using that
> configuration, and I don't know whether it is because (1) my mic
> configuration is wrong, or (2) my com port is not talking to the unit.
>
>

I do not know about this particular set up but when my computer does not key
my radio it usually was because I had not set the com port setting in the
software. Check the settings in your software they may have defaulted to the
wrong com port or may be sent to no com port for use with a vox setting.

73
GARY AF4LD

[Non-text portions of this message have been removed]

1147. TS-520 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 03:28:41 UTC
From: Grant McDuling
Topic: 1147 Message: 1147

G'day boys,

I have a TS-520 SE that sometimes goes dead on me for a few seconds. It's just the receiver, I think. I can be operating fine when suddenly it goes quiet. No receive at all for a few minutes than it suddenly returns to normal. Doesn't do it all the time, just now and then. And usually only once during an operating session.

Could it be a relay that needs cleaning?

Grant
VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at www.zeus-publications.com

---
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[Non-text portions of this message have been removed]

1148. Re: [TS-520_820_530_830] TS-520 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 13:11:30 UTC
From: pscarr@juno.com
Topic: 1147 Message: 1148

Good morning. I have an old TS-520 that is used daily. First, does the RX go completely dead (no audio) or do still get some noise from the speaker? Second, When it happens can you still make transmit carrier?
In the first case, I had a problem with RX audio and it was the earphone jack. I used to leave the earphones plugged in and the jack would go open when on the speaker. Second, it may be the bandswitch. If you can't transmit try turning the bandswitch to both limits, gently, several times and then return to the band of interest. The thread on bandswitches mentioned "Dioxit" as a cure for bad contacts like that.
Hope this helps.

Pete Carr WW3O
State College, PA

_____
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1149. Re: [TS-520_820_530_830] Interfacing TS-520 to MFJ 1275T

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 17:13:34 UTC
From: Bill K0ZL
Topic: 1145 Message: 1149

520 and 520S use same mic pinout.

I could answer that, at lease.

bill

--- Norman Young <normany@...> wrote:
> ...According to
> the manual, my mic configuration is as follows:
>
> Pin 1 - Mic element center.
> Pin 2 - PTT.
> Pin 3 - PTT ground.
> Pin 4 - Mic element ground.
>
> So, here are my questions:
>
> 1. Is the mic configuration of the TS-520 different
> from the TS-520S?
...

=====

"If in doubt, MODIFY" --k0zl

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1150. Re: [TS-520_820_530_830] TS-520 receiver problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 17:33:25 UTC
From: Bill K0ZL
Topic: 1147 Message: 1150

Relay or bad solder joint on the RECT unit.. unplug,
uncover and upend the rig (no alcohol either until you
are done).

make sure all electrolytics are discharged.. use DVM
first, then short to ground, each one of the big ones.

Remove the RECT board, center-rear-underside of the
rig, and resolder all round the rectifier leads where
they go thru the pc board.

While you are there, if your final tubes are in
sockets on a PC board (I think they are on all these
series of radios except the early 520), inspect the PC
board solder joints around the tube sockets. If you
see any one cracked or questionable, resolder them
all. Use a good hot 40w gun and lots of solder; make a
nice convex fillet on each one and you won't have to
do it again. Japan saved much on solder on that board.

bill
--- Grant McDuling <grantmcduling@...> wrote:
> G'day boys,
>
> I have a TS-520 SE that sometimes goes dead on me
> for a few seconds. It's just the receiver, I think.
> I can be operating fine when suddenly it goes quiet.
> No receive at all for a few minutes than it suddenly
> returns to normal. Doesn't do it all the time, just
> now and then. And usually only once during an
> operating session.
>
> Could it be a relay that needs cleaning?
>
> Grant
> VK4JAZ
>
>
> Author, writer and telegraphist.
> New book just released. Check out The Business OF
> Freelance Journalism at www.zeus-publications.com
>
>
>
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=====

"If in doubt, MODIFY" --k0zl

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1151. re: DFC-230

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 21:13:02 UTC
From: rock_sci
Topic: 1151 Message: 1151

I use a DFC-230 with my TS-830s and TS-120s. It plugs directly into the jack on the back of both transceivers.

The DFC-230 will on occasion become unstable when transmitting. This usually occurs in a mobile environment or in one in which the DFC-230 is subjected to high RF levels. This is easily fixed by opening the unit, loosening and then tightening the screws that hold the PC board to the chassis.

The problem can be permanently fixed by

1. removing the screws that hold the PC board to the chassis.

2. removing the PC board and placing toothed washers between the pc board and the chassis.

3. re-install the screws.

This takes a little bit of work, but is worth the trouble.

Tim AA6DQ

1152. Re: [TS-520_820_530_830] re: DFC-230

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-19 21:19:44 UTC
From: Ariel Katz
Topic: 1151 Message: 1152

Tim:
TNX for the information, will be receiving it in
a few days. Please tell me if you know any internet
source for its user manual, because it comes without
it, and I could only find it`s circuit schematic.

Will pay atention about unstability in the unit.
Thank you so much!! Best 73!!

Ariel, LU4OO

--- rock_sci <rock_sci@...> escribi?: > I use
a DFC-230 with my TS-830s and TS-120s. It
> plugs directly into
> the jack on the back of both transceivers.
>
> The DFC-230 will on occasion become unstable when
> transmitting. This
> usually occurs in a mobile environment or in one in
> which the DFC-230
> is subjected to high RF levels. This is easily
> fixed by opening the
> unit, loosening and then tightening the screws that
> hold the PC board
> to the chassis.
>
> The problem can be permanently fixed by
>
> 1. removing the screws that hold the PC board to
> the chassis.
>
> 2. removing the PC board and placing toothed
> washers between the pc
> board and the chassis.
>
> 3. re-install the screws.
>
> This takes a little bit of work, but is worth the
> trouble.
>
>
>
> Tim AA6DQ
>
>
>

>
>
> Yahoo! Groups Links
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
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1153. replacement mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-20 17:20:33 UTC
From: Nigel
Topic: 1153 Message: 1153

can anyone advise me on a
replacement mic for a ts530sp.as i
use the mic rarely i will be quite
happy with a fist mic. but just do
not know where to start.i do a
little ssb work on a 80m club net
and some dx work when i hear a
country that i need. any advice
would be appreciated. would a
astatic teardrop mic be suitable for
the ts530sp. all the best from nigel

1154. HV variations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-20 20:48:16 UTC
From: Wayne & Chris Baker
Topic: 1154 Message: 1154

Hi all
Recently I have been experiencing some difficulties with my TS-820.
The problem started with a decrease in available output power (down to 50-70W max). On checking, both 6146B's appeared to be damaged, with visible perforations in the metal work of the tube. It looks as if the heaters have been running too hot and eaten into the metal!!
Replacement tubes have been obtained and not wishing to have a similar reoccurrence has lead me to undertake some voltage checks.
The finds are what is causing some confusion.
The HV has increased from around 900v to approximately 1040v, the heater volt is about 14.5v.. Most voltages to the other parts of the final board are also high. The higher voltages would appear to be the cause of the tube failure.
My question is does anyone have any thoughts as to why I may be experiencing a steady increase in voltages, or has anyone experienced similar?
Here in VK we run on 240v which did not present any problems until recently. This voltage is reasonably steady.

Thanks in advance.
Wayne
VK2JKK

[Non-text portions of this message have been removed]

1155. Update to MFJ 1275 and TS-520 Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 04:26:12 UTC
From: Norman Young
Topic: 1155 Message: 1155

Thanks for the input. Just a little update to my question...

After I posted the question, I went searching onlline and found the user manual for the TS-520S, and the mic connections are identical. I also emailed MFJ, and I got the following response from one of the engineers:

***

Dear Sir,

I noticed in the manual that there is no jumper on HD1 which is for CHASSIS GROUND. Being as PTT uses CHASSIS GROUND for closure, there should be a jumper on HD1. Try placing a jumper on Pin 3 of HD1 and try transmitting again.

Please let me know.

Thanks,
MFJ Customer Service

***

I have not had a chance to try this, but if the manual is wrong, it is also wrong for the 520S and the 530, and who knows how many other models... Oh, well, I hope that's it. Should know for sure later in the week when I get time to try it. I'll let you know how it turns out.

As for the com port, I had also suspected that it might be the problem, so before I wrote MFJ, I checked it. Using Digipan, I measured the output voltages at com port 1 to verify that they were what they were supposed to be at pins 4 and 7 to ground (pin 5), in both transmit and receive mode for the software. That checked out OK, so I knew that the software was talking to the right com port.

Thanks again & 73,
Norman

1156. Re: [TS-520_820_530_830] HV variations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 18:31:20 UTC
From: Bill K0ZL
Topic: 1154 Message: 1156

Check the primary taps on the power transformer; the
white wires should be soldered to the 120v terminals.

bill

--- Wayne & Chris Baker <wcbak38@...> wrote:
> Hi all
> Recently I have been experiencing some difficulties
> with my TS-820.
> The problem started with a decrease in available
> output power (down to 50-70W max). On checking, both
> 6146B's appeared to be damaged, with visible
> perforations in the metal work of the tube. It looks
> as if the heaters have been running too hot and
> eaten into the metal!!
> Replacement tubes have been obtained and not wishing
> to have a similar reoccurrence has lead me to
> undertake some voltage checks.
> The finds are what is causing some confusion.
> The HV has increased from around 900v to
> approximately 1040v, the heater volt is about
> 14.5v.. Most voltages to the other parts of the
> final board are also high. The higher voltages would
> appear to be the cause of the tube failure.
> My question is does anyone have any thoughts as to
> why I may be experiencing a steady increase in
> voltages, or has anyone experienced similar?
> Here in VK we run on 240v which did not present any
> problems until recently. This voltage is reasonably
> steady.
>
> Thanks in advance.
> Wayne
> VK2JKK
>
>
> [Non-text portions of this message have been
> removed]
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1157. RE: [TS-520_820_530_830] HV variations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 17:29:37 UTC
From: Bartel, David P
Topic: 1154 Message: 1157

Hello Wayne,
I have had a similar problem with my TS-820S when operating it on 240 VAC. The final tubes would last from as little as a few weeks to maybe a month with the excessive voltages. My resolution to the problem was to power the rig on 110 VAC.

Dave, K6DPB

[Non-text portions of this message have been removed]

1158. Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 00:17:53 UTC
From: VK4KSS
Topic: 1158 Message: 1158

Hi Group

A funny thing happened while "listening" to a QSO on 80m last night. Smoke billowed from my TS-520S from the area around the 6146B finals. I turned the radio off immediately.

Suspecting a resistor or something had gone open circuit and caused some major damage. I pulled the covers off and removed the cage to the finals. Looking for the obvious burn marks associated with such a catastrophe. Guess what I saw straddling the band switch and chassis?

A cremated Gecko (a type of lizard about 2 1/2" long). I haven't pulled the little fellow out yet because he is wedged well and truly in amongst the finals and I don't want to get cremated either. I will remove him tomorrow with some plastic tweezers.

I don't think that he has caused any major damage because I can not see any burned components and the main fuse was not blown. However, is there anything that I should check before putting the radio back together again and switching the TS-520S on?

Is there likely to have been damage sustained to ANY part of the radio that I should look for?

73

Adam VK4KSS
CW Operators QRP Club - # 664
FISTS - # 9619

"I hear and I forget. I see and I remember. I do and I understand."
Confucius

1159. Re: [TS-520_820_530_830] Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 20:12:10 UTC
From: peninhal
Topic: 1158 Message: 1159

Darn, he was working on my insurance estimate too! Guess I'll have to go with "Aa-Flaack" instead - LOL.

Harold - KD7YOE

..... Snip>>>>>>>>>>>
A cremated Gecko (a type of lizard about 2 1/2" long). I haven't pulled the little fellow out yet because he is wedged well and truly in amongst the finals and I don't want to get cremated either. I will remove him tomorrow with some plastic tweezers.

I don't think that he has caused any major damage because I can not see any burned components and the main fuse was not blown. However, is there anything that I should check before putting the radio back together again and switching the TS-520S on?

Is there likely to have been damage sustained to ANY part of the radio that I should look for?

73

Adam VK4KSS

[Non-text portions of this message have been removed]

1160. Re: Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-21 21:44:06 UTC
From: rsakabu
Topic: 1158 Message: 1160

--- In TS-520_820_530_830@yahoogroups.com, "peninhal" <peninhal@n...>
wrote:
> Darn, he was working on my insurance estimate too! Guess I'll
have to go with "Aa-Flaack" instead - LOL.
>
> Harold - KD7YOE

Just think of what smoked duck would smell like.

As Homer Simpson might say "Mmmmmm, smoked duck"

Good idea to let the rig discharge over night, you might also want to
bleed off HV areas holding a resistor with something insulated,
sometimes it takes a looooooong time for all the caps to discharge.

73
Roy
AD6ZU

1161. TS 820 and 820 VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 03:12:17 UTC
From: au20061
Topic: 1161 Message: 1161

I have an 820 vfo connected to my TS 820. The TS-820 will not give up control to the external vfo. When I switch the external vfo on the vfo red light on the rig stays on and the external vfo does not work(red light comes on but it cannot control rig).

I have connected the 820vfo to my 520 and it works perfectly so cable and 820vfo check out fine.

Why is my TS820 not letting the external 820 vfo take over?

Thanks

Tom K1KFN

1162. Re: [TS-520_820_530_830] TS 820 and 820 VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 10:08:07 UTC
From: usievers@gmx.net
Topic: 1161 Message: 1162

may be your socket for the vfo on the ts-820 is not correctly wired... if your transceiver is
working fine without a plug inserted into the external vfo socket , the socket wiring is modified... (in many cases is a bride installed to use the transceiver without the external vfo).
73 de Uwe DJ9XG

On 22 Jan 2004 at 3:12, au20061 wrote:

I have an 820 vfo connected to my TS 820. The TS-820 will not give
up control to the external vfo. When I switch the external vfo on
the vfo red light on the rig stays on and the external vfo does not
work(red light comes on but it cannot control rig).

I have connected the 820vfo to my 520 and it works perfectly so
cable and 820vfo check out fine.

Why is my TS820 not letting the external 820 vfo take over?

Thanks

Tom K1KFN

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[Non-text portions of this message have been removed]

1163. Re: TS 820 and 820 VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 12:11:09 UTC
From: au20061
Topic: 1161 Message: 1163

Uwe

I will look inside tonight and check the socket. The rig came with the plug to fit in the socket when not using the external vfo. It could still be jumpered. It is an old rig and has probably been in many hands over the years.

Thanks for your suggestion.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, usievers@g... wrote:
> may be your socket for the vfo on the ts-820 is not correctly wired... if your transceiver is
> working fine without a plug inserted into the external vfo socket , the socket wiring is
> modified... (in many cases is a bride installed to use the transceiver without the external
> vfo).
> 73 de Uwe DJ9XG
>
> On 22 Jan 2004 at 3:12, au20061 wrote:
>
> I have an 820 vfo connected to my TS 820. The TS-820 will not give
> up control to the external vfo. When I switch the external vfo on
> the vfo red light on the rig stays on and the external vfo does not
> work(red light comes on but it cannot control rig).
>
> I have connected the 820vfo to my 520 and it works perfectly so
> cable and 820vfo check out fine.
>
> Why is my TS820 not letting the external 820 vfo take over?
>
> Thanks
>
> Tom K1KFN
>
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1164. Re: [TS-520_820_530_830] Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 13:23:46 UTC
From: Bill K0ZL
Topic: 1158 Message: 1164

It's kind of early in the new year for "year's most
interesting post" award, but Adam appears to have
taken it!

In the States, the gecko is the mascot adopted by one
of our major insurance companies; an entire advert.
campaign has been based on this computer-generated
animal... I hope this does not portend problems for
this company! hi.

Just get all the carbon-based life form pieces out,
you should be fine.

An 830 fried the inside of my arm one time; the radio
sustained no damage.

73,

Bill

--- VK4KSS <radio@...> wrote:
> Hi Group
>
> A funny thing happened while "listening" to a QSO on
> 80m last night. Smoke
> billowed from my TS-520S from the area around the
> 6146B
> finals. I turned the radio off immediately.
>
> Suspecting a resistor or something had gone open
> circuit and caused some
> major damage. I pulled the covers off and removed
> the cage to the finals.
> Looking for the obvious burn marks associated with
> such a catastrophe.
> Guess what I saw straddling the band switch and
> chassis?
>
> A cremated Gecko (a type of lizard about 2 1/2"
> long). I haven't pulled the
> little fellow out yet because he is wedged well and
> truly in amongst the
> finals and I don't want to get cremated either. I
> will remove him tomorrow
> with some plastic tweezers.
>

> I don't think that he has caused any major damage
> because I can not see any
> burned components and the main fuse was not blown.
> However, is there
> anything that I should check before putting the
> radio back together again
> and switching the TS-520S on?
>
> Is there likely to have been damage sustained to ANY
> part of the radio that
> I should look for?
>
> 73
>
> Adam VK4KSS
> CW Operators QRP Club - # 664
> FISTS - # 9619
>
> "I hear and I forget. I see and I remember. I do and
> I understand."
> Confucius
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1165. Re: TS 820 and 820 VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 13:59:05 UTC
From: Jim
Topic: 1161 Message: 1165

Maybe your TS-820 had the "full transceive" modification. The matching R-820 receiver could be used to control the TS-820, but certain mods were required to manage this and I am not sure what effect they have on the regular vfo.

One way to tell is to unscrew the cap on the dummy plug in the VFO socket. If pin 4 is jumpered to pin 7, then this rig likely has the mod I describe.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "au20061" <au2006@b...> wrote:
> Why is my TS820 not letting the external 820 vfo take over?
>
> Thanks
>
> Tom K1KFN

1166. Re: Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 14:04:15 UTC
From: Jim
Topic: 1158 Message: 1166

It sounds like Mr. Gecko completed a circuit that was not supposed to exist and blew his fuse so to speak. If that is all that happened, it is possible, but unlikely, that others things got too screwed up. I have smoked quite a few components in my day with minimal collateral damage.

Might I suggest a well chilled Chardonnay? It goes very well with cheese, shellfish, and grilled gecko.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, VK4KSS <radio@i...> wrote:

> Is there likely to have been damage sustained to ANY part of the radio that
> I should look for?

1167. ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 15:16:30 UTC
From: blobby12uk
Topic: 1167 Message: 1167

Can anyone suggest anything.I soldered in a yk-88sn filter and all works well.
What I have noticed is on usb the signals appear very sharp toneally which can be greatly improved by adjusting the IF slightly to the minus side.This increases the baseyness which I prefer.This effect of sharpness is greater with the narrow filter switched in.
However on lsb the toppyness is not so pronounced so I tend to leave the if shift in the centre.
I have tweaked the if strip according to the service manual which has made no difference apart from increasing the sensitivity of the set slightly.
Am I to think that the kenwood filters have a lob sided pass band or am I missing something?
Do I need to adjust some other part of the set to get the same sound quality for usb and lsb.
The set does tx and rx on the same frequency as displayed.
Regards
Bob/G7JHW

1168. Re: [TS-520_820_530_830] Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 17:09:03 UTC
From: Bill K0ZL
Topic: 1158 Message: 1168

You want to pry that duck out of your final cage, be
my guest! hi...

b

--- peninhal <peninhal@...> wrote:
> Darn, he was working on my insurance estimate
> too! Guess I'll have to go with "Aa-Flaack" instead
> - LOL.
>
> Harold - KD7YOE
>

=====

"If in doubt, MODIFY" --k0zl

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1169. Re: [TS-520_820_530_830] Re: Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 20:13:07 UTC
From: Bill K0ZL
Topic: 1158 Message: 1169

The 520-830 series bleeds down pretty quickly WHEN the
bleeder resistors are working! I give them a few
minutes, then check with dvm, then shorting stick.

bill

--- rsakabu <rsakabu@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com,
> "peninhal" <peninhal@n...>
> wrote:
> > Darn, he was working on my insurance estimate
> too! Guess I'll
> have to go with "Aa-Flaack" instead - LOL.
> >
> > Harold - KD7YOE
>
> Just think of what smoked duck would smell like.
>
> As Homer Simpson might say "Mmmmmm, smoked duck"
>
> Good idea to let the rig discharge over night, you
> might also want to
> bleed off HV areas holding a resistor with something
> insulated,
> sometimes it takes a looooooong time for all the caps
> to discharge.
>
> 73
> Roy
> AD6ZU
>
>

=====

"If in doubt, MODIFY" --k0zl

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1170. Re: HV Variations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 20:18:57 UTC
From: Wayne
Topic: 1170 Message: 1170

Thank you for the replies.
Running 110V is not really an option here, but still an option.
On inspection the main transformer was still setup for 220V, that has now been corrected to 240V and the voltages are now close to what is expected.
The rig has obviously run in the unmodified setup for many years (rig only acquired about 12 months ago)prior to coming into my possesion. When first obtained the voltages appeared to be ok and only recently have the symptoms arisen. Not sure what caused the change but will keep an eye on things.
Thanks again
Wayne VK2JKK
(Gecko Free!!!)

1171. Re: [TS-520_820_530_830] TS 820 and 820 VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 22:19:05 UTC
From: Bill K0ZL
Topic: 1161 Message: 1171

Ext VFO depends on the 8v line being switched from
your mode switch to the connector on the back of the
rig. Suspect broken wire somewhere.

b

--- au20061 <au2006@...> wrote:
> I have an 820 vfo connected to my TS 820. The TS-820
> will not give
> up control to the external vfo. When I switch the
> external vfo on
> the vfo red light on the rig stays on and the
> external vfo does not
> work(red light comes on but it cannot control rig).
>
> I have connected the 820vfo to my 520 and it works
> perfectly so
> cable and 820vfo check out fine.
>
> Why is my TS820 not letting the external 820 vfo
> take over?
>
> Thanks
>
> Tom K1KFN
>
>

=====

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1172. Re: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-22 23:05:02 UTC
From: Bill K0ZL
Topic: 1167 Message: 1172

You should be able to tweak the heterodyne oscillators
to make USB and LSB sound the same on receive. I don't
have my service manual here to tell you what the
trimmers are.

You will need to balance the balanced modulator after
changing these.

b

--- blobby12uk <g7jhw@...> wrote:
> Can anyone suggest anything.I soldered in a yk-88sn
> filter and all
> works well.
> What I have noticed is on usb the signals appear
> very sharp toneally
> which can be greatly improved by adjusting the IF
> slightly to the
> minus side.This increases the baseyness which I
> prefer.This effect of
> sharpness is greater with the narrow filter switched
> in.
> However on lsb the toppyness is not so pronounced so
> I tend to leave
> the if shift in the centre.
> I have tweaked the if strip according to the service
> manual which has
> made no difference apart from increasing the
> sensitivity of the set
> slightly.
> Am I to think that the kenwood filters have a lob
> sided pass band or
> am I missing something?
> Do I need to adjust some other part of the set to
> get the same sound
> quality for usb and lsb.
> The set does tx and rx on the same frequency as
> displayed.
> Regards
> Bob/G7JHW
>
>
>

=====

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1173. Re: [TS-520_820_530_830] Re: HV Variations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 00:40:46 UTC
From: Bill K0ZL
Topic: 1170 Message: 1173

Great.

I would stock up on pair of 6146B, a 12BY7 and the
plate filter caps, just in case things got a little
stressed. You have time to find these parts now that
the rig is working ok.

b

--- Wayne <wcbak38@...> wrote:
> Thank you for the replies.
> Running 110V is not really an option here, but still
> an option.
> On inspection the main transformer was still setup
> for 220V, that
> has now been corrected to 240V and the voltages are
> now close to
> what is expected.
> The rig has obviously run in the unmodified setup
> for many years
> (rig only acquired about 12 months ago)prior to
> coming into my
> possesion. When first obtained the voltages appeared
> to be ok and
> only recently have the symptoms arisen. Not sure
> what caused the
> change but will keep an eye on things.
> Thanks again
> Wayne VK2JKK
> (Gecko Free!!!)
>
>

=====

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1174. Re: Advice sought - Cremated Gecko

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 01:02:05 UTC
From: VK4KSS
Topic: 1170 Message: 1174

Yo the Gecko!

Gecko extracted, no mates in there with him thankfully. Everything appeared to be fine visually. Switched on, all works like it is supposed to.

Many thanks to all who replied.

Adam

PS Chardonnay went down well hihi

[Non-text portions of this message have been removed]

1175. Re: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 06:46:43 UTC
From: g7jhw
Topic: 1167 Message: 1175

I dont think the signals are of frequncy it just seems that more of the lsb signal is passing through the filter than does the usb.
"I will try what you suggest but I dont want to cock everything up so I will tread carefully.
Bob
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, January 22, 2004 11:05 PM
Subject: Re: [TS-520_820_530_830] ts-530 if shift

You should be able to tweak the heterodyne oscillators
to make USB and LSB sound the same on receive. I don't
have my service manual here to tell you what the
trimmers are.

You will need to balance the balanced modulator after
changing these.

b

--- blobby12uk <g7jhw@...> wrote:
> Can anyone suggest anything.I soldered in a yk-88sn
> filter and all
> works well.
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> very sharp toneally
> which can be greatly improved by adjusting the IF
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> However on lsb the toppyness is not so pronounced so
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> Do I need to adjust some other part of the set to
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> quality for usb and lsb.
> The set does tx and rx on the same frequency as
> displayed.
> Regards
> Bob/G7JHW
>
>
>

=====

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[Non-text portions of this message have been removed]

1176. RE: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 12:26:27 UTC
From: g4jbr@netscape.net
Topic: 1167 Message: 1176

"blobby12uk" <g7jhw@...> wrote:

>Can anyone suggest anything.I soldered in a yk-88sn filter ?and all
>works well.
>What I have noticed is on usb the signals appear very sharp toneally
>which can be greatly improved by adjusting the IF slightly to the
>minus side.This increases the baseyness which I prefer.This effect of
>sharpness is greater with the narrow filter switched in.
>However on lsb the toppyness is not so pronounced so I tend to leave
>the if shift in the centre.
>I have tweaked the if strip according to the service manual which has
>made no difference apart from increasing the sensitivity of the set
>slightly.
>Am I to think that the kenwood filters have a lob sided pass band or
>am I missing something?
>Do I need to adjust some other part of the set to get the same sound
>quality for usb and lsb.
>The set does tx and rx on the same frequency as displayed.
>Regards
>Bob/G7JHW
>
>hi bob
>I have a yk88sn and my 530 doesn't seem lobsided I use the IF shift all the time on
ssb,(only as far as the first mark at 30 degrees) but this improves both usb &lsb reception
for me I certainly find the toppyness too much with 0 IF shift in LSB ?73 pete g4jbr

----
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1177. Re: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 13:10:42 UTC
From: Bill K0ZL
Topic: 1167 Message: 1177

Gotta set that passband!

b

--- g7jhw <g7jhw@...> wrote:
> I dont think the signals are of frequncy it just
> seems that more of the lsb signal is passing through
> the filter than does the usb.
> "I will try what you suggest but I dont want to cock
> everything up so I will tread carefully.
> Bob
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, January 22, 2004 11:05 PM
> Subject: Re: [TS-520_820_530_830] ts-530 if shift
>
>
> You should be able to tweak the heterodyne
> oscillators
> to make USB and LSB sound the same on receive. I
> don't
> have my service manual here to tell you what the
> trimmers are.
>
> You will need to balance the balanced modulator
> after
> changing these.
>
> b
>
> --- blobby12uk <g7jhw@...> wrote:
> > Can anyone suggest anything.I soldered in a
> yk-88sn
> > filter and all
> > works well.
> > What I have noticed is on usb the signals appear
> > very sharp toneally
> > which can be greatly improved by adjusting the
> IF
> > slightly to the
> > minus side.This increases the baseyness which I
> > prefer.This effect of
> > sharpness is greater with the narrow filter
> switched

> > in.
> > However on lsb the toppyness is not so
> pronounced so
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> > get the same sound
> > quality for usb and lsb.
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> > displayed.
> > Regards
> > Bob/G7JHW
> >
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>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
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1178. tune up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 04:41:16 UTC
From: Robert Manchester
Topic: 1178 Message: 1178

Hello kenwood owners:
I have a kenwood ts-530-- after i dip the plate, i start to turn the load knob clockwise and the needle jumps around quite a bit, is this a dirty contact or a short of some kind?
Bob (kb1jbc)
Westport, Ma.

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[Non-text portions of this message have been removed]

1179. Re: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 13:54:18 UTC
From: g7jhw
Topic: 1167 Message: 1179

I have just set the usb and lsb crystals on frequency.The usb xt was a bit off and it sounds nice now with if shift in centre for both usb and lsb.Also I followed the service manual and on lsb set tx and rx to same within 20hz.
No doubt I will need to complete a total alignment now I have made some minor adjustments.
Regards
Bob

----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, January 23, 2004 1:10 PM
Subject: Re: [TS-520_820_530_830] ts-530 if shift

Gotta set that passband!

b

--- g7jhw <g7jhw@...> wrote:
> I dont think the signals are of frequncy it just
> seems that more of the lsb signal is passing through
> the filter than does the usb.
> "I will try what you suggest but I dont want to cock
> everything up so I will tread carefully.
> Bob
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, January 22, 2004 11:05 PM
> Subject: Re: [TS-520_820_530_830] ts-530 if shift
>
>
> You should be able to tweak the heterodyne
> oscillators
> to make USB and LSB sound the same on receive. I
> don't
> have my service manual here to tell you what the
> trimmers are.
>
> You will need to balance the balanced modulator
> after
> changing these.
>
> b
>
> --- blobby12uk <g7jhw@...> wrote:
> > Can anyone suggest anything.I soldered in a

> yk-88sn
> > filter and all
> > works well.
> > What I have noticed is on usb the signals appear
> > very sharp toneally
> > which can be greatly improved by adjusting the
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> > However on lsb the toppyness is not so
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> > I tend to leave
> > the if shift in the centre.
> > I have tweaked the if strip according to the
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> > quality for usb and lsb.
> > The set does tx and rx on the same frequency as
> > displayed.
> > Regards
> > Bob/G7JHW
> >
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>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1180. Re: [TS-520_820_530_830] ts-530 if shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 14:25:54 UTC
From: g7jhw
Topic: 1167 Message: 1180

Thankyou for your comment.Looking at the service info It appears that the if shift adjusts which ever carrier oscillator is switched in .(usb and lsb).I found on checking their frequency that the usb crystal was pretty well on and the usb was way off.I just set the usb xt back on and it sounds pretty much same on usb/lsb with if shift in centre.At moment I am happy.
Im one for dabbling and learning I hope.I rather have my head in an ar88 coms rx.
Regards,thanks for your time to comment.

Bob
----- Original Message -----
From: g4jbr@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, January 23, 2004 12:26 PM
Subject: RE: [TS-520_820_530_830] ts-530 if shift

"blobby12uk" <g7jhw@...> wrote:

>Can anyone suggest anything.I soldered in a yk-88sn filter and all
>works well.
>What I have noticed is on usb the signals appear very sharp toneally
>which can be greatly improved by adjusting the IF slightly to the
>minus side.This increases the baseyness which I prefer.This effect of
>sharpness is greater with the narrow filter switched in.
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>Am I to think that the kenwood filters have a lob sided pass band or
>am I missing something?
>Do I need to adjust some other part of the set to get the same sound
>quality for usb and lsb.
>The set does tx and rx on the same frequency as displayed.
>Regards
>Bob/G7JHW
>
>hi bob
>I have a yk88sn and my 530 doesn't seem lobsided I use the IF shift all the time on
ssb,(only as far as the first mark at 30 degrees) but this improves both usb &lsb reception
for me I certainly find the toppyness too much with 0 IF shift in LSB 73 pete g4jbr

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1181. Re: [TS-520_820_530_830] tune up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 00:26:45 UTC
From: f x
Topic: 1178 Message: 1181

Hi Bob,

Well, I guess I will start the questions... Has the rig been in storage at all? It kinda sounds like you are getting shorts in the loading capacitor... the spacing on those plates is pretty close, and dust or something similar could be causing little arcs. Has anyone been inside it recently? If those close spaced plates touch momentarily while you are rotating the shaft, you would get something like that... Do you hear any arcing, or smell any ozone being generated? The only "wiper" would be between the capacitor shaft and ground... perhaps there is some grit in there. I would wait for the other more expert opinioins to come in, but a blast of bottled air (computer store stuff) might blow the dust away... and do a visual inspection to see that the plate spacing is not messed up. Or perhaps a little antioxidant contact cleaner on the wiper on the loading capacitor shaft... Also, what kind of coax are you using? Is it possible that there is a breakdown or arc somewhere in
your antenna or feedline system?

regards

Raleigh

NYOY

Robert Manchester <kb1jbc72@...> wrote:
Hello kenwood owners:
I have a kenwood ts-530-- after i dip the plate, i start to turn the load knob clockwise and the needle jumps around quite a bit, is this a dirty contact or a short of some kind?
Bob (kb1jbc)
Westport, Ma.

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[Non-text portions of this message have been removed]

1182. Re: [TS-520_820_530_830] tune up

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 03:18:48 UTC
From: Bill K0ZL
Topic: 1178 Message: 1182

Is this with rig into a dummy load, or an antenna?

b
--- Robert Manchester <kb1jbc72@...> wrote:
> Hello kenwood owners:
> I have a kenwood ts-530-- after i dip the
> plate, i start to turn the load knob clockwise and
> the needle jumps around quite a bit, is this a dirty
> contact or a short of some kind? Bob
> (kb1jbc)
>
> Westport, Ma.
>
>
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>

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1183. New to Group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-23 13:20:37 UTC
From: Bob M
Topic: 1183 Message: 1183

G'day All,

I'm new to AR and new to this group and am From Queensland
Australia, will be doing my Novice shortly.
I am awaiting the arrival of my Hf Rig..(in Transit) a TS-530S.
I have just arranged to buy a second hand All band Vertical. 10m-80m.
I'm in an over 50's complex so it's going to be fun getting this 20+
antenna up without conflict.

I am told it has been a one owner until recently (deceased). It
looks brand new and comes with all originalpackaging manuals etc.
I'm looking forward to finding out what mods if any have been done,
and what filters etc. have been fitted.

I have a lot of learning to do, I have gathered all the info on Mods
& repairs I can locate, I have found a TS-530SP owners manual
online, Can someone please tell me what the difference is for
the 'S'&'SP'.

I want to find a Service manual for it.
Also I'm probably looking for a AT-230,VFO-250,SM-220 or Later and a
desk Mike....Wish list..

I have been reviewing the archives here and find this a very usefull
group.. Thanks for letting me join.

Any and all advice, information is welcomed....

Regards
Bob M
baysideq@
hotmail.com

1184. Re: [TS-520_820_530_830] New to Group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 14:52:16 UTC
From: f x
Topic: 1183 Message: 1184

G'Day Mate... and welcome aboard...

Visited some of your beautiful country, but further south and also out west...

good luck on the vertical... you will need a good ground screen under it, as well as a good DC ground (8' rods)... I 'scalp' the lawn... down to dirt almost, then lay chicken wire on the ground, pinning it down with aluminum wire pegs... then I bond the edges with acid core solder. (can't get the rosin stuff to stick to the galvanizing).. I also thread a few copper wire radials weaved in and out of the chicken mesh and solder each one in a few places along its length (32 feet or more is what I use for 40 Meters... more for 80..) Then, when all the work is done, I just let the grass grow up through my ground screen... (Set the lawnmower a little higher than usual, until the thatch holds the wire down firmly...), and voila', a good working ground mounted vertical... If you elevate it, of course you will need radials cut to each band you intend to use it on.

Hope to hook up with you on the air one day... I work mostly 40 and 20 meter CW..

regards

Raleigh Stelle
NYOY

Bob M <baysideq@...> wrote:
G'day All,

I'm new to AR and new to this group and am From Queensland
Australia, will be doing my Novice shortly.
I am awaiting the arrival of my Hf Rig..(in Transit) a TS-530S.
I have just arranged to buy a second hand All band Vertical. 10m-80m.
I'm in an over 50's complex so it's going to be fun getting this 20+
antenna up without conflict.

I am told it has been a one owner until recently (deceased). It
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I'm looking forward to finding out what mods if any have been done,
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I have a lot of learning to do, I have gathered all the info on Mods
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I want to find a Service manual for it.
Also I'm probably looking for a AT-230,VFO-250,SM-220 or Later and a
desk Mike....Wish list..

I have been reviewing the archives here and find this a very usefull
group.. Thanks for letting me join.

Any and all advice, information is welcomed....

Regards
Bob M
baysideq@
hotmail.com

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1185. Group pic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 15:04:59 UTC
From: Bill
Topic: 1185 Message: 1185

I changed our group picture gang, check it out.

Bill K0ZL

1186. Re: [TS-520_820_530_830] New to Group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 15:35:35 UTC
From: Bill K0ZL
Topic: 1183 Message: 1186

The 530 is a great radio. Other than a few things
that might need to be addressed, these are very
reliable and chances are good that your new one will
need nothing more than to be fired up into a good
antenna.

73

bill

--- Bob M <baysideq@...> wrote:
> G'day All,
>
> I'm new to AR and new to this group and am From
> Queensland
> Australia, will be doing my Novice shortly.
> I am awaiting the arrival of my Hf Rig..(in Transit)
> a TS-530S.
> I have just arranged to buy a second hand All band
> Vertical. 10m-80m.
> I'm in an over 50's complex so it's going to be fun
> getting this 20+
> antenna up without conflict.
>
> I am told it has been a one owner until recently
> (deceased). It
> looks brand new and comes with all originalpackaging
> manuals etc.
> I'm looking forward to finding out what mods if any
> have been done,
> and what filters etc. have been fitted.
>
> I have a lot of learning to do, I have gathered all
> the info on Mods
> & repairs I can locate, I have found a TS-530SP
> owners manual
> online, Can someone please tell me what the
> difference is for
> the 'S'&'SP'.
>
> I want to find a Service manual for it.
> Also I'm probably looking for a
> AT-230,VFO-250,SM-220 or Later and a
> desk Mike....Wish list..
>
> I have been reviewing the archives here and find

> this a very usefull
> group.. Thanks for letting me join.
>
> Any and all advice, information is welcomed....
>
> Regards
> Bob M
> baysideq@
> hotmail.com
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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http://webhosting.yahoo.com/ps/sb/

1187. Re: [TS-520_820_530_830] Group pic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 20:34:20 UTC
From: Adam VK4KSS
Topic: 1185 Message: 1187

At 01:04 AM 25/01/04, you wrote:

>I changed our group picture gang, check it out.
>
>Bill K0ZL

No that IS funny!

Thanks

Adam :-)

[Non-text portions of this message have been removed]

1188. TS-530S to SB-200

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-24 22:53:39 UTC
From: kb5cqf
Topic: 1188 Message: 1188

Hello to everyone in the group...

Interested in anyone with experience with a TS-530s and SB-200 combination. The keying voltage on the SB-200 looks to be just a little too much for the 530 to handle alone. Hate to add an extra relay to the mix, concerned with the added delay causing the SB-200 to switch with RF already present.

Any comments appreciated...

Ted
KB5CQF

1189. Re: [TS-520_820_530_830] TS-530S to SB-200

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-25 05:54:33 UTC
From: f x
Topic: 1188 Message: 1189

Ted,

While not a direct answer to your question, I have found these two websites to contain a LOT of useful information.

http://www.harbachelectronics.com/
http://www.somis.org/

73

Raleigh
NY0Y

kb5cqf <tedforrest@...> wrote:
Hello to everyone in the group...

Interested in anyone with experience with a TS-530s and SB-200
combination. The keying voltage on the SB-200 looks to be just a
little too much for the 530 to handle alone. Hate to add an extra
relay to the mix, concerned with the added delay causing the SB-200
to switch with RF already present.

Any comments appreciated...

Ted
KB5CQF

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1190. Re: [TS-520_820_530_830] TS-530S to SB-200

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-25 09:56:35 UTC
From: ramcleod@comcast.net
Topic: 1188 Message: 1190

Hello to all- I posted to Ted, I'll put a link out here....
www.theheathkitshop.com has a neat 'amp keyer' that will interface most rigs and amps. I use one, it works.

73, Bob KA1DFO
> Ted,
>
> While not a direct answer to your question, I have found these two websites to
> contain a LOT of useful information.
>
>
> http://www.harbachelectronics.com/
> http://www.somis.org/
>
> 73
>
> Raleigh
> NY0Y
>
> kb5cqf <tedforrest@...> wrote:
> Hello to everyone in the group...
>
> Interested in anyone with experience with a TS-530s and SB-200
> combination. The keying voltage on the SB-200 looks to be just a
> little too much for the 530 to handle alone. Hate to add an extra
> relay to the mix, concerned with the added delay causing the SB-200
> to switch with RF already present.
>
> Any comments appreciated...
>
> Ted
> KB5CQF
>
>
>
>
> ---------------------------------
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>

> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
>
>
>
> ---
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool. Try it!
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to:
> http://docs.yahoo.com/info/terms/
>
>

1191. Re: [TS-520_820_530_830] Group pic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-25 20:57:34 UTC
From: G Bay
Topic: 1185 Message: 1191

I love it!!

Gary
wb3dsj

Bill <coorsbill@...> wrote:
I changed our group picture gang, check it out.

Bill K0ZL

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[Non-text portions of this message have been removed]

1192. TS-830S Low Power / Odd ALC Behavior

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 00:57:35 UTC
From: k7zs
Topic: 1192 Message: 1192

I am hoping to find some help from all you other TS-830S owners out there!

I picked up a TS-830s knowing it had low power output. I have gone through most of the routine checkpoints as provided here and other excellent web sites.

Alas, no changes.

The problem is very low power output, and an ALC Meter that PEGS full scale regardless of the carrier setting.

Today, I started to trace the TX LEVELS chart to see what I could find. Ran into something on my first test point:

On the IF unit, at TP2 (which measures the output of VR4 which along with TC3 adjusts the Carrier Suppressor (Balanced Modulator?) The service manual indicates there should be 10vrms. I do not have an RF probe, but put the oscilloscope at that junction, and witnessed about 3 volts, BUT essentially a half wave form, not a sinusoidal wave.

So, I have 2 questions at this point:

1. Does anybody have any advice regarding the approach to debugging this ALC Meter problem?

2. Is the TP2 value 10vrms, and should it be a sine wave? (and if it is, what is not working to cause half the wave to have disappeared?)

That's probably enough for now.

Thanks, hope somebody can help or point me to reference material, I am determined to learn to service this radio myself!

73 Kevin K7ZS
Portland, Oregon

1193. Voltage concern

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 16:38:56 UTC
From: blobby12uk
Topic: 1193 Message: 1193

How much should the ht sag when transmitting full cw power.As a rough indication the set's meter say 900v dropping to 800v on full output.
Output 100w +.
Just a little concern Of mine.
Regards/
Bob/G7JHW

1194. Re: [TS-520_820_530_830] Voltage concern

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 17:17:57 UTC
From: Bill K0ZL
Topic: 1193 Message: 1194

Yours is perfect.

You don't want to see 900v dropping to 700 or less.

Usually, if one of the HV caps is gone, the HV will
drop to 450 volts or so. No fuses blow, no smoke, just
low output. That's one of the cool things about
voltage doublers; they definitely let you know when
something is wrong without blowing up the world.

Oh also, if you have a bad cap, you will get reports
of "gritty" audio; this will be the 120 Hz ripple
modulating your SSB signal but ONLY on voice peaks,
hence the "grunge" reports rather than "hum", that you
might receive if running CW or AM (that is, if these
rigs could run AM, that's what you would hear; but
they can't, so you don't... but you knew that...)

bill
--- blobby12uk <g7jhw@...> wrote:
> How much should the ht sag when transmitting full cw
> power.As a rough
> indication the set's meter say 900v dropping to 800v
> on full output.
> Output 100w +.
> Just a little concern Of mine.
> Regards/
> Bob/G7JHW
>
>

=====

"If in doubt, MODIFY" --k0zl

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1195. Re: [TS-520_820_530_830] Voltage concern

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 18:22:19 UTC
From: g7jhw
Topic: 1193 Message: 1195

Relief,I am getting very attached to this radio.I might be strange.
Got some spare 6146b general electric also 12by7a ge coming and some 500v 100uf caps with 1a ripple current in the post.(snap in type).All from brittish supplier.Find it easier to get stuff from america when it comes to high voltage.
Thanks for your prompt comment.
Regards
G7jhw
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, January 26, 2004 5:17 PM
Subject: Re: [TS-520_820_530_830] Voltage concern

Yours is perfect.

You don't want to see 900v dropping to 700 or less.

Usually, if one of the HV caps is gone, the HV will
drop to 450 volts or so. No fuses blow, no smoke, just
low output. That's one of the cool things about
voltage doublers; they definitely let you know when
something is wrong without blowing up the world.

Oh also, if you have a bad cap, you will get reports
of "gritty" audio; this will be the 120 Hz ripple
modulating your SSB signal but ONLY on voice peaks,
hence the "grunge" reports rather than "hum", that you
might receive if running CW or AM (that is, if these
rigs could run AM, that's what you would hear; but
they can't, so you don't... but you knew that...)

bill
--- blobby12uk <g7jhw@...> wrote:
> How much should the ht sag when transmitting full cw
> power.As a rough
> indication the set's meter say 900v dropping to 800v
> on full output.
> Output 100w +.
> Just a little concern Of mine.
> Regards/
> Bob/G7JHW
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1196. Re: TS-830S Low Power / Odd ALC Behavior

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 21:15:37 UTC
From: rock_sci
Topic: 1192 Message: 1196

--- In TS-520_820_530_830@yahoogroups.com, "k7zs" <k7zs@e...> wrote:
> I am hoping to find some help from all you other TS-830S owners out
> there!
>
> I picked up a TS-830s knowing it had low power output. I have gone
> through most of the routine checkpoints as provided here and other
> excellent web sites.
>
> Alas, no changes.
>
> The problem is very low power output, and an ALC Meter that PEGS
full
> scale regardless of the carrier setting.
>
> Today, I started to trace the TX LEVELS chart to see what I could
> find. Ran into something on my first test point:
>
> On the IF unit, at TP2 (which measures the output of VR4 which
along
> with TC3 adjusts the Carrier Suppressor (Balanced Modulator?) The
> service manual indicates there should be 10vrms. I do not have an
RF
> probe, but put the oscilloscope at that junction, and witnessed
about
> 3 volts, BUT essentially a half wave form, not a sinusoidal wave.
>
> So, I have 2 questions at this point:
>
> 1. Does anybody have any advice regarding the approach to debugging
> this ALC Meter problem?
>
> 2. Is the TP2 value 10vrms, and should it be a sine wave? (and if
it
> is, what is not working to cause half the wave to have disappeared?)
>
> That's probably enough for now.
>
> Thanks, hope somebody can help or point me to reference material, I
> am determined to learn to service this radio myself!
>
> 73 Kevin K7ZS
> Portland, Oregon

If the ALC meter is pegged the most likely cause is the rig is
oscillating. There are two sources of feedback that can cause

this: The driver tube and the bandswitch.

Check the tube shield on the 12BY7 driver. I found that mine did not make electrical contact. Touching a screwdriver between the top of the final cage and the driver tube confirmed this. Scraping and cleaning the shield only created a temporary fix. A piece of braid soldered to the top of the shield and attached to a screw on the final cage solved the problem.

There is a ground strap/spring at the point where the bandswitch enters the final cage. Mine was missing. I used a garden variety spring taken from a ball point pen and streched between the two tabs so that it touches the shaft.

Tim AA6DQ

1197. Re: [TS-520_820_530_830] Digest Number 308

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-26 22:48:23 UTC
From: Grant McDuling
Topic: 1197 Message: 1197

G'day Bob, and welcome to the group.

I run a TS-520SE and it's a great rig. I've only been licensed for less than a year and already I can't remember when I made my last SSB QSO; I'm entirely CW now. Although I feed my signals into a 20m dipole on the roof, I am planning to build a magnetic loop soon. This, I am told, is a great stealth antenna that is very quiet. It works fine placed inside the shack at ground level. Bear this in mind if you can't erect that verticle.

73s

Grant

VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at
www.zeus-publications.com

Yahoo! Personals
- New people, new possibilities. FREE for a limited time!

[Non-text portions of this message have been removed]

1198. Re: TS-830S Low Power / Odd ALC Behavior

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-27 03:29:29 UTC
From: k7zs
Topic: 1192 Message: 1198

--- In TS-520_820_530_830@yahoogroups.com, "rock_sci" <rock_sci@h...>
>
> If the ALC meter is pegged the most likely cause is the rig is
> oscillating. There are two sources of feedback that can cause
> this: The driver tube and the bandswitch.
>
> Check the tube shield on the 12BY7 driver. I found that mine did
not
> make electrical contact. Touching a screwdriver between the top of
> the final cage and the driver tube confirmed this. Scraping and
> cleaning the shield only created a temporary fix. A piece of braid
> soldered to the top of the shield and attached to a screw on the
> final cage solved the problem.
>
> There is a ground strap/spring at the point where the bandswitch
> enters the final cage. Mine was missing. I used a garden variety
> spring taken from a ball point pen and streched between the two
tabs
> so that it touches the shaft.
>
> Tim AA6DQ

Tim, thanks so much for your comments, they are MUCH appreciated!

Following your advice, I checked the 12BY7A shield, and mine has
a 'hairpin' looking wire that contacts the side of the shield. I did
get continuity between the shield and ground, so it is indeed
grounded on my radio.

Second, I checked continuity to ground on the bandswitch shaft. The
spring loaded wire on mine was intact at the PA compartment, as well
as at on the front panel.

Still getting the full scale ALC regardless of carrier setting. Is
there a way to confirm the oscillation any other way?

I am game to try anything else you might suggest

Thanks and 73

Kevin K7ZS

1199. Re: Digest Number 308

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-27 11:51:45 UTC
From: Bob M
Topic: 1197 Message: 1199

Thanks Grant,
I was looking into a loop but found that my roof has full foil
sheeting under the tiles.. so I'm have a rethink.

I've look over a few designs and am prepared to see as many as
needed to find the one or2 or3 or more I need

Regards
Bob M.

--- In TS-520_820_530_830@yahoogroups.com, Grant McDuling
<grantmcduling@y...> wrote:
>
> G'day Bob, and welcome to the group.
>
>
>
> I run a TS-520SE and it's a great rig. I've only been licensed for
less than a year and already I can't remember when I made my last
SSB QSO; I'm entirely CW now. Although I feed my signals into a 20m
dipole on the roof, I am planning to build a magnetic loop soon.
This, I am told, is a great stealth antenna that is very quiet. It
works fine placed inside the shack at ground level. Bear this in
mind if you can't erect that verticle.
>
> 73s
>
> Grant
>
> VK4JAZ
>
>
>
>
> Author, writer and telegraphist.
> New book just released. Check out The Business OF Freelance
Journalism at www.zeus-publications.com
>
>
>
> ---------------------------------
> Yahoo! Personals
> - New people, new possibilities. FREE for a limited time!
>
> [Non-text portions of this message have been removed]

1200. Re: [TS-520_820_530_830] Re: Digest Number 308

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-27 12:12:51 UTC
From: Adam VK4KSS
Topic: 1197 Message: 1200

At 09:51 PM 27/01/04, you wrote:
>I was looking into a loop but found that my roof has full foil
>sheeting under the tiles.. so I'm have a rethink.
>
>Regards
>Bob M.

Hi Bob

That foil in the roof would make a great ground plane for the vertical....
if the body corporate will let you put it on the roof that is.

BTW there is nothing to say that a dipole or any other wire antenna should
be straight, you can run it anyway you like. Yes there may be some
degradation of the radiation pattern but this may not bother you if you can
work out which way the antenna favors and orient it to your preferred
direction. Just remember to keep the feed point as high as possible.

I use and off centre fed dipole here, and it is in the shape of an over
bent U The legs point south and south west respectively. for 80m and 40m
there is no real change in pattern but on 20m and higher there is a
definite South Westerly benefit.

73

Adam VK4KSS
Gecko free

Outgoing mail has been scanned for virus infection and is certified Virus Free by AVG
Anti-Virus System
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04

[Non-text portions of this message have been removed]

1201. TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-27 20:56:10 UTC
From: wa5jaw
Topic: 1201 Message: 1201

Hello,
I need a little help with my TS-520 internal VFO.
My external VFO is very frequency stable but while switching between internal and external VFOs (both set to same freq and stabilized) I noticed that my internal VFO when switched on starts up about 150-200HZ low and ramps to the orginal set frequency or even higher after about one minute. Watching it (WWV) on MixW in the waterfall you can see a definite ramp. The external VFO when switched on is exactly on frequency and requires no start up time to come to frequency.
Sounds like a lazy oscillator to me, how about some help. Has anyone had such a problem their 520 VFOs?
Thanks for your comments,
Sam WA5JAW

1202. Re: [TS-520_820_530_830] TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-27 21:41:30 UTC
From: Bill K0ZL
Topic: 1201 Message: 1202

check the dc supply to the VFO, with good DVM, see if
there is a ramp there.

b

--- wa5jaw <allensa03@...> wrote:
> Hello,
> I need a little help with my TS-520 internal VFO.
> My external VFO is very frequency stable but while
> switching between
> internal and external VFOs (both set to same freq
> and stabilized) I
> noticed that my internal VFO when switched on starts
> up about 150-
> 200HZ low and ramps to the orginal set frequency or
> even higher after
> about one minute. Watching it (WWV) on MixW in the
> waterfall you can
> see a definite ramp. The external VFO when switched
> on is exactly on
> frequency and requires no start up time to come to
> frequency.
> Sounds like a lazy oscillator to me, how about some
> help. Has anyone
> had such a problem their 520 VFOs?
> Thanks for your comments,
> Sam WA5JAW
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://webhosting.yahoo.com/ps/sb/

1203. TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL ALC???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 03:50:28 UTC
From: k7zs
Topic: 1203 Message: 1203

Hello Again. Maybe this will resonate with someone?

Everything in this radio seems right, except for the ALC function (and low power output. New driver tubes coming) Finals will draw 200ma plus adjusting the bias control so finals seem fine)

Just for kicks, thought I would check to see if the ALC FULL SCALE with NO CARRIER would still happen with the driver tube removed, and the heater switch OFF. Carrier all the way off in CW mode.

Yep, ALC meter still pegs on SEND.

Any clues where I should look next?

Thanks!

-Kevin K7ZS

1204. My TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 02:31:44 UTC
From: Kyle
Topic: 1204 Message: 1204

Hi group. New member here. To make a long story very short, I`ve been sitting on a brand new TS-520 for the last twenty some years. I never have been in a position to set up a ham shack, untill recently. I also have no real HF experience, or any experience at all. Well anyway I have been on a hard core search lately for a new HF rig and the decisions are "killing me". For now I decided to follow the old acronym K.I.S.S. (keep it simple stupid). Why buy a new hf rig when I already own one?
So I have decided to get my TS-520 on the air! To tell you the truth I`m kinda scared of it, tuning procedures and all.
Ya don`t have to do all that with a new radio. Anyway sometime in March I will be moving into a house so I will be trying to get the TS on the air asap.
I do have the original manual that came the radio, so it should be easy to follow the tuning steps?
There are a couple of things that I would really like to find to complete my TS-520 station. Don`t say e bay, I`ve been watching. I would like to find a AT-200 tuner. There is one on ebay right now but it`s in England and it`s called a TRIO kenwood AT-200. What`s a Trio? Does anybody have a better place for me to look for a AT-200? Also would like a CW filter YG-3395C, MC-50 mike. Don`t think I would need it but wouldn`t hesitate to buy a VFO-520 either. I already have the SP-520. I just think it would be great to have the full line of the TS-520 gear.
Hope I don`t sound stupid or sound to pushy. I`m running out of ideas to find the equipment I want, and I ain`t buying no mfj tuner either.LoL ( I might have to) Thanks for any replies and suggestions. 73`s Kyle n0mkh

1205. RE: [TS-520_820_530_830] My TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 08:32:00 UTC
From: g4jbr@netscape.net
Topic: 1204 Message: 1205

hi, TRIO was KENWOOD before it became KENWOOD (there was a firm trading in UK under the name of kenwood
pete g4jbr
>
>

_____
New! Unlimited Netscape Internet Service.
Only $9.95 a month -- Sign up today at http://isp.netscape.com/register
Act now to get a personalized email address!

Netscape. Just the Net You Need.

1206. Re: My TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 13:57:07 UTC
From: au20061
Topic: 1204 Message: 1206

Kyle...

I will add my 2 cents worth. Go with the 520. The 520 is a great rig and is very forgiving. You will not have any problem learning to tune the transmitter. I would recomend that you go ahead and get a nice tuner to match your antenna. I also like the tuner because you get a positive indication of your output power.....this helps make tuning easier and also helps diagnose antenna or rig problems. I believe you also need a 50 ohm dummy load. This insures you are loading into the proper match and again gives you a good reference to see that all is working as it should.

Use an antenna that is cut to your operating frequency if at all possible. This makes tuning much easier in that you do not need the tuner. If your antenna is not cut to frequency....load your transmitter into the 50 dummy load to full power......then switch to your antenna and adjust the tuner for minimum reflected power. You can then check your swr.....if less than 3 to 1 you should be in good shape. I have used this procedure for years...it is simple and it works.

You have the 520....give it a try.....you can always go to something else if it doesn't work as you would like.

You will need the MC50 mike. There are many listed on ebay....just make sure you are buying from a ham who has a lot of good feedback (selling ham equipment). I have bought tons of equipment on ebay with a 99% satisfaction rate. The AT 200 is a good tuner but you can also use the AT230. Those seem to be more plentiful. I would not worry with the remote vfo yet. Wait till you get comfortable with the rig. Remember, if you go down this road and it doesn't work out to your satisfaction you can probably get rid of the equipment on ebay for about what you have in it. In addition , you will have learned a great deal about ham radio and equipment operation so your effort will be well worth it.

Good Luck...

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, "Kyle" <cb750fsuperspor@w...> wrote:
> Hi group. New member here. To make a long story very short, I`ve been sitting on a brand new TS-520 for the last twenty some years. I never have been in a position to set up a ham shack, untill recently. I also have no real HF experience, or any experience at all. Well anyway I have been on a hard core search lately for a new HF rig and

the decisions are "killing me". For now I decided to follow the old acronym K.I.S.S. (keep it simple stupid). Why buy a new hf rig when I already own one?
> So I have decided to get my TS-520 on the air! To tell you the truth I`m kinda scared of it, tuning procedures and all.
> Ya don`t have to do all that with a new radio. Anyway sometime in March I will be moving into a house so I will be trying to get the TS on the air asap.
> I do have the original manual that came the radio, so it should be easy to follow the tuning steps?
> There are a couple of things that I would really like to find to complete my TS-520 station. Don`t say e bay, I`ve been watching. I would like to find a AT-200 tuner. There is one on ebay right now but it`s in England and it`s called a TRIO kenwood AT-200. What`s a Trio? Does anybody have a better place for me to look for a AT-200? Also would like a CW filter YG-3395C, MC-50 mike. Don`t think I would need it but wouldn`t hesitate to buy a VFO-520 either. I already have the SP-520. I just think it would be great to have the full line of the TS-520 gear.
> Hope I don`t sound stupid or sound to pushy. I`m running out of ideas to find the equipment I want, and I ain`t buying no mfj tuner either.LoL (I might have to) Thanks for any replies and suggestions.
73`s Kyle n0mkh

1207. Re: [TS-520_820_530_830] My TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 15:03:29 UTC
From: Bill K0ZL
Topic: 1204 Message: 1207

Kyle, I would start with a resonant antenna, so you
don't need a tuner. Tuners just complicate things,
esp. with tube rigs.

By all means, collect the whole set!

I think you do need a good solid state rig too, one
that is portable for field day or camping and what
not.

bill

--- Kyle <cb750fsuperspor@...> wrote:
> Hi group. New member here. To make a long story very
> short, I`ve been sitting on a brand new TS-520 for
> the last twenty some years. I never have been in a
> position to set up a ham shack, untill recently. I
> also have no real HF experience, or any experience
> at all. Well anyway I have been on a hard core
> search lately for a new HF rig and the decisions are
> "killing me". For now I decided to follow the old
> acronym K.I.S.S. (keep it simple stupid). Why buy a
> new hf rig when I already own one?
> So I have decided to get my TS-520 on the air! To
> tell you the truth I`m kinda scared of it, tuning
> procedures and all.
> Ya don`t have to do all that with a new radio.
> Anyway sometime in March I will be moving into a
> house so I will be trying to get the TS on the air
> asap.
> I do have the original manual that came the radio,
> so it should be easy to follow the tuning steps?
> There are a couple of things that I would really
> like to find to complete my TS-520 station. Don`t
> say e bay, I`ve been watching. I would like to find
> a AT-200 tuner. There is one on ebay right now but
> it`s in England and it`s called a TRIO kenwood
> AT-200. What`s a Trio? Does anybody have a better
> place for me to look for a AT-200? Also would like a
> CW filter YG-3395C, MC-50 mike. Don`t think I would
> need it but wouldn`t hesitate to buy a VFO-520
> either. I already have the SP-520. I just think it
> would be great to have the full line of the TS-520
> gear.
> Hope I don`t sound stupid or sound to pushy. I`m
> running out of ideas to find the equipment I want,

> and I ain`t buying no mfj tuner either.LoL (I might
> have to) Thanks for any replies and suggestions.
> 73`s Kyle n0mkh
>
>

=====

"If in doubt, MODIFY" --k0zl

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1208. Re: [TS-520_820_530_830] TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL ALC???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 15:06:08 UTC
From: Bill K0ZL
Topic: 1203 Message: 1208

Guessing leaky capacitor coming of the grid circuit,
perhaps.

remind me to look at my schems when I get home today..

b

--- k7zs <k7zs@...> wrote:
> Hello Again. Maybe this will resonate with someone?
>
> Everything in this radio seems right, except for the
> ALC function
> (and low power output. New driver tubes coming)
> Finals will draw
> 200ma plus adjusting the bias control so finals seem
> fine)
>
> Just for kicks, thought I would check to see if the
> ALC FULL SCALE
> with NO CARRIER would still happen with the driver
> tube removed, and
> the heater switch OFF. Carrier all the way off in
> CW mode.
>
> Yep, ALC meter still pegs on SEND.
>
> Any clues where I should look next?
>
> Thanks!
>
> -Kevin K7ZS
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1209. Tubes, Caps, DVM....???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 15:14:49 UTC
From: Phono-Guy
Topic: 1209 Message: 1209

Hi all,

Has I start putting my station back together after a 6 year hiatus ...
I've really enjoyed reading the mail on this group .... all sorts of good information shared ...!!!

Now I have a couple questions ....

I would like to pick up a few sets of final tubes & drivers.... what does "matched tubes" signify?

Any reccomendation on a good distributor for these tubes, what brands should I avoid?

I'm looking for a good DVM ... I've always thought the Fluke meters were good quality ...

can anyone reccomend a good model, and where I should buy from.??

Thanks for all comments & replies,

73,

Clint

WS1V

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[Non-text portions of this message have been removed]

1210. 530 Arrived

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 15:46:52 UTC
From: Bob M
Topic: 1210 Message: 1210

Well my TS-530S arrived Yesterday, very nice clean unit.

Hmmm ... No Mic.. what the ... (emailed sender forgot to put in box will mail today)

Opened sprayed vary/caps and pots that are accesible with contact cleaner lightly cleaned dusted the inside and removed Fan and lubed and cleaned, Mild soap clean on outside of case... looks like new.

Attached long wire for receive.... worried I'd blow something.. all worked heard Nuthin.... Hmmmm.

Today Took it down the my AR club and we gave it a test.
Everyone liked it's condition. Very impressed even in original Carton etc.

Wired up old mic to plug .... Works ??
Tested ok on receive tried to Transmitt...dah nuthin... Hmmm , grumble look puzzeld. Open case all lookd good, drop botom of case, maybe some hair cracks around the Valve bases... resolder them,'

Hmmm still no good , negative voltage on valve gate..... puzzled looks maybe tubes damaged in transit.... look schematic...Hmmm Switch in line.... ?? Light bulb?? ... remember book saying switch on back turn off for no transmitt,,,,,,,,

Phew.... ok Good now it works..... read book see about switch....:)

Contact made to test rig..... Malooabah Qld to Woollongong NSW.. middle of the day about 1200 Klm's Good for first time..

Good signal and voice both ways... Yahhhhhh....Sigh of releif.

A couple of red faces from AR members... well at least we got to check out the inside tooo.

2 filters. moded for all chanel transmit. all clean and tidy..

Well worth the wait and money..

Regards
Bob M.

1211. Re: [TS-520_820_530_830] Tubes, Caps, DVM....???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 17:51:43 UTC
From: Bill K0ZL
Topic: 1209 Message: 1211

Any of the Fluke 70 or 80 series will work fine for
you. I am happy with my 73 and 77 meters, both are
great and seemingly bullet-proof.

GE 6146B are the only way to go. If you can find 4 or
5 NIB or NOS (new in box, or new old stock, i.e.
unused), get them. Don't worry about the matching...
tubes match themselves if you have same manufacturer
in there. They are in parallel, not push-pull so
matching not important.

Just don't mix a used tube with a new one!

12BY7, any manuf, prefer GE, used OK as long as the
output holds up. Get several; if you find one that is
unstable, dont' toss it.. save for another rig, may
work just fine.

bill

--- Phono-Guy <taephono@...> wrote:
> Hi all,
>
> Has I start putting my station back together after a
> 6 year hiatus ...
> I've really enjoyed reading the mail on this group
> .... all sorts of good information shared ...!!!
>
> Now I have a couple questions ....
>
> I would like to pick up a few sets of final tubes &
> drivers.... what does "matched tubes" signify?
>
> Any reccomendation on a good distributor for these
> tubes, what brands should I avoid?
>
>
> I'm looking for a good DVM ... I've always thought
> the Fluke meters were good quality ...
>
> can anyone reccomend a good model, and where I
> should buy from.??
>
> Thanks for all comments & replies,
>
> 73,

>
> Clint
>
> WS1V
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> ---------------------------------
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool.
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> [Non-text portions of this message have been
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1212. Re: [TS-520_820_530_830] 530 Arrived

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 18:11:12 UTC
From: Bill K0ZL
Topic: 1210 Message: 1212

Great, congratulations.

Yes the SG switch is a great "grandkids" switch...
Turn it off and they won't fry your finals by leaving
the rig in TX mode when you aren't looking.

The SG circuit can be re-wired to allow QRP operation,
so that instead of shutting the finals clear off, it
cuts your output down somewhat, say to 3-5 watts.

bill

--- Bob M <baysideq@...> wrote:
> Well my TS-530S arrived Yesterday, very nice clean
> unit.
>
> Hmmm ... No Mic.. what the ... (emailed sender
> forgot to put in box
> will mail today)
>
> Opened sprayed vary/caps and pots that are accesible
> with contact
> cleaner lightly cleaned dusted the inside and
> removed Fan and lubed
> and cleaned, Mild soap clean on outside of case...
> looks like new.
>
> Attached long wire for receive.... worried I'd blow
> something.. all
> worked heard Nuthin.... Hmmmm.
>
> Today Took it down the my AR club and we gave it a
> test.
> Everyone liked it's condition. Very impressed even
> in original
> Carton etc.
>
> Wired up old mic to plug .... Works ??
> Tested ok on receive tried to Transmitt...dah
> nuthin... Hmmm ,
> grumble look puzzeld. Open case all lookd good, drop
> botom of case,
> maybe some hair cracks around the Valve bases...
> resolder them,'
>
> Hmmm still no good , negative voltage on valve

> gate..... puzzled
> looks maybe tubes damaged in transit.... look
> schematic...Hmmm
> Switch in line.... ?? Light bulb?? ... remember book
> saying switch
> on back turn off for no transmitt,,,,,,,,
>
> Phew.... ok Good now it works..... read book see
> about switch....:)
>
> Contact made to test rig..... Malooabah Qld to
> Woollongong NSW..
> middle of the day about 1200 Klm's Good for first
> time..
>
> Good signal and voice both ways... Yahhhhhh....Sigh
> of releif.
>
> A couple of red faces from AR members... well at
> least we got to
> check out the inside tooo.
>
> 2 filters. moded for all chanel transmit. all clean
> and tidy..
>
> Well worth the wait and money..
>
> Regards
> Bob M.
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1213. Re: TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-28 18:56:17 UTC
From: james27613@att.net
Topic: 1213 Message: 1213

hi kyle,

Good idea to keep what you have, you can always move up to a newer radio should your needs change, the 520 is also a great radio for backup use.

Did you know you can setup a search in ebay to email you if an item you are looking for shows up ? I've gotten all my geat that way and sold some things to pay for it all too.

Another place to look is http://www.arrl.org has classifieds (arrl member only can post) but anyone can read the ads.

http://www.qth.com and http://www.eham.net also great places to research the things you need.

The vfo is nice, if you like to work split or contests it is good to have.

Just keep looking, you may find one or two items that are local to you for easy pickup.

For tuneup, don't worry, just photocopy page # 22 in the manual and keep it handy.

Drive plate load easy to remember and do be sure to have a good dummy load,
that makes a big difference on tuneups.

I am sure others in the group will pass on additional info.

73 James

1215. 520-830 + Heathkit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 00:27:41 UTC
From: ka9vaa
Topic: 1215 Message: 1215

Has anyone tried using a heathkit sb-610 or sb-614 with a 520 or 830?

I have a offer for a free 610 that works and a 614 not working.

Just wonder if a 100 mile drive is worth it.

Thanks for any comments.

Tom

1216. Re: different Aerial will it work HF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 03:19:25 UTC
From: Bob M
Topic: 1197 Message: 1216

Thanks adam,
I'm looking at dipols but in a slightly different way..

What if I were to run the wires along the Ridge caping tiles.

I have two options one is in an L at 45-315deg magnetic then 2nd
leg at 315 deg end 225 - 135deg magnetic.

17mtrs
_______ NNE
| x
8mtrs |
| x is aprox location of rig in house.
ESE
I may be able to extend each leg by 2-21/2mtrs running down the
45deg Hip slope ____ at the end of each run.
\
\

Then I would be able to Silicon the Coax to the ridge caping then
run the feed in under a tile through the foil down to my rig with a
swr/tuner.

Has anyone tried this before??

Regards Bob M.
--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
wrote:
> At 09:51 PM 27/01/04, you wrote:
> >I was looking into a loop but found that my roof has full foil
> >sheeting under the tiles.. so I'm have a rethink.
> >
> >Regards
> >Bob M.
>
> Hi Bob
>
> That foil in the roof would make a great ground plane for the
vertical....
> if the body corporate will let you put it on the roof that is.
>
> BTW there is nothing to say that a dipole or any other wire
antenna should
> be straight, you can run it anyway you like. Yes there may be some
> degradation of the radiation pattern but this may not bother you
if you can

> work out which way the antenna favors and orient it to your
preferred
> direction. Just remember to keep the feed point as high as
possible.
>
> I use and off centre fed dipole here, and it is in the shape of an
over
> bent U The legs point south and south west respectively. for 80m
and 40m
> there is no real change in pattern but on 20m and higher there is
a
> definite South Westerly benefit.
>
> 73
>
> Adam VK4KSS
> Gecko free
>
> ----------
>
>
> ---
> Outgoing mail has been scanned for virus infection and is
certified Virus Free by AVG Anti-Virus System
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
>
>
> [Non-text portions of this message have been removed]

1217. Re: [TS-520_820_530_830] Re: different Aerial will it work HF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 03:36:47 UTC
From: Bill K0ZL
Topic: 1197 Message: 1217

If you have foil under the tiles this will not work. The antenna has to be away from metal.

Can you put it up under an eave, or along a (non-metallic) wall?

b

Bob M <baysideq@...> wrote:
Thanks adam,
I'm looking at dipols but in a slightly different way..

What if I were to run the wires along the Ridge caping tiles.

I have two options one is in an L at 45-315deg magnetic then 2nd
leg at 315 deg end 225 - 135deg magnetic.

17mtrs
_______ NNE
| x
8mtrs |
| x is aprox location of rig in house.
ESE
I may be able to extend each leg by 2-21/2mtrs running down the
45deg Hip slope ____ at the end of each run.
\
\

Then I would be able to Silicon the Coax to the ridge caping then
run the feed in under a tile through the foil down to my rig with a
swr/tuner.

Has anyone tried this before??

Regards Bob M.
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> >I was looking into a loop but found that my roof has full foil
> >sheeting under the tiles.. so I'm have a rethink.
> >
> >Regards
> >Bob M.
>
> Hi Bob
>
> That foil in the roof would make a great ground plane for the
vertical....
> if the body corporate will let you put it on the roof that is.

>
> BTW there is nothing to say that a dipole or any other wire
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> be straight, you can run it anyway you like. Yes there may be some
> degradation of the radiation pattern but this may not bother you
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preferred
> direction. Just remember to keep the feed point as high as
possible.
>
> I use and off centre fed dipole here, and it is in the shape of an
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>
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>
>
> [Non-text portions of this message have been removed]

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1218. Re: 530 Arrived

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 03:48:04 UTC
From: Bob M
Topic: 1210 Message: 1218

Thanks Bill,

I'd be interested in that mod for future reference..

Regards
Bob M.

Steep learning curve

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Great, congratulations.
>
> Yes the SG switch is a great "grandkids" switch...
> Turn it off and they won't fry your finals by leaving
> the rig in TX mode when you aren't looking.
>
> The SG circuit can be re-wired to allow QRP operation,
> so that instead of shutting the finals clear off, it
> cuts your output down somewhat, say to 3-5 watts.
>
> bill
>
> --- Bob M <baysideq@h...> wrote:
> > Well my TS-530S arrived Yesterday, very nice clean
> > unit.
> >
> > Hmmm ... No Mic.. what the ... (emailed sender
> > forgot to put in box
> > will mail today)
> >
> > Opened sprayed vary/caps and pots that are accesible
> > with contact
> > cleaner lightly cleaned dusted the inside and
> > removed Fan and lubed
> > and cleaned, Mild soap clean on outside of case...
> > looks like new.
> >
> > Attached long wire for receive.... worried I'd blow
> > something.. all
> > worked heard Nuthin.... Hmmmm.
> >
> > Today Took it down the my AR club and we gave it a
> > test.
> > Everyone liked it's condition. Very impressed even
> > in original

> > Carton etc.
> >
> > Wired up old mic to plug .... Works ??
> > Tested ok on receive tried to Transmitt...dah
> > nuthin... Hmmm ,
> > grumble look puzzeld. Open case all lookd good, drop
> > botom of case,
> > maybe some hair cracks around the Valve bases...
> > resolder them,'
> >
> > Hmmm still no good , negative voltage on valve
> > gate..... puzzled
> > looks maybe tubes damaged in transit.... look
> > schematic...Hmmm
> > Switch in line.... ?? Light bulb?? ... remember book
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> >
> > Phew.... ok Good now it works..... read book see
> > about switch....:)
> >
> > Contact made to test rig..... Malooabah Qld to
> > Woollongong NSW..
> > middle of the day about 1200 Klm's Good for first
> > time..
> >
> > Good signal and voice both ways... Yahhhhhh....Sigh
> > of releif.
> >
> > A couple of red faces from AR members... well at
> > least we got to
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> >
> > 2 filters. moded for all chanel transmit. all clean
> > and tidy..
> >
> > Well worth the wait and money..
> >
> > Regards
> > Bob M.
> >
> >
> >
> >
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>
> =====
>
> "If in doubt, MODIFY" --k0zl

>
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>
>
> _____
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1219. Re: [TS-520_820_530_830] Re: 530 Arrived

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 03:54:32 UTC
From: Bill K0ZL
Topic: 1210 Message: 1219

It involves re-routing the wire on the SG switch that goes to the -110volt dc supply to the 250 volt screen supply; need to use a 2 watt potentiometer to get just the right voltage on the screens, then you sub a fixed 5 watts resistor voltage divider.

Don't have the exact wiring, it's been a while.

To get QRP you can also "fool" the external ALC input to the rig (that would come from an amp) with a 9 volt battery and a pot, to reduce power.

bill

Bob M <baysideq@...> wrote:

Thanks Bill,

I'd be interested in that mod for future reference..

Regards
Bob M.

Steep learning curve

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Great, congratulations.
>
> Yes the SG switch is a great "grandkids" switch...
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> the rig in TX mode when you aren't looking.
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> so that instead of shutting the finals clear off, it
> cuts your output down somewhat, say to 3-5 watts.
>
> bill
>
> --- Bob M <baysideq@h...> wrote:
> > Well my TS-530S arrived Yesterday, very nice clean
> > unit.
> >
> > Hmmm ... No Mic.. what the ... (emailed sender
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> >
> > Opened sprayed vary/caps and pots that are accesible
> > with contact
> > cleaner lightly cleaned dusted the inside and

> > removed Fan and lubed
> > and cleaned, Mild soap clean on outside of case...
> > looks like new.
> >
> > Attached long wire for receive.... worried I'd blow
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> >
> > Today Took it down the my AR club and we gave it a
> > test.
> > Everyone liked it's condition. Very impressed even
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> > Carton etc.
> >
> > Wired up old mic to plug .... Works ??
> > Tested ok on receive tried to Transmitt...dah
> > nuthin... Hmmm ,
> > grumble look puzzeld. Open case all lookd good, drop
> > botom of case,
> > maybe some hair cracks around the Valve bases...
> > resolder them,'
> >
> > Hmmm still no good , negative voltage on valve
> > gate..... puzzled
> > looks maybe tubes damaged in transit.... look
> > schematic...Hmmm
> > Switch in line.... ?? Light bulb?? ... remember book
> > saying switch
> > on back turn off for no transmitt,,,,,,,,
> >
> > Phew.... ok Good now it works..... read book see
> > about switch....:)
> >
> > Contact made to test rig..... Malooabah Qld to
> > Woollongong NSW..
> > middle of the day about 1200 Klm's Good for first
> > time..
> >
> > Good signal and voice both ways... Yahhhhhh....Sigh
> > of releif.
> >
> > A couple of red faces from AR members... well at
> > least we got to
> > check out the inside tooo.
> >
> > 2 filters. moded for all chanel transmit. all clean
> > and tidy..
> >
> > Well worth the wait and money..
> >

> > Regards
> > Bob M.
> >
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
>
>
> _____
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool. Try it!
> http://webhosting.yahoo.com/ps/sb/

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To visit your group on the web, go to:
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"If in doubt, MODIFY" --k0zl

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Do you Yahoo!?
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[Non-text portions of this message have been removed]

1220. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 22:04:27 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 1220

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /ts520qrp.gif
Uploaded by : james27613 <james27613@...>
Description : TS-520-QRP

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/ts520qrp.gif

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

james27613 <james27613@...>

1221. RE: [TS-520_820_530_830] Digest Number 312

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-29 20:41:20 UTC
From: Dave Greene
Topic: 1221 Message: 1221

I think I may have kind of a similar problem.

I have a TS 830S (bought it new and it is unmodofied and never serviced).

When transmitting in "Tune" position, it puts out much less power than it used to, now registering only 1 or 2 watts peak on my MFJ tuner into the dummy load.

On the same tuner meter though, it still puts out plenty of power once fully tuned, either into the dummy load, or into the tuned up antenna I'm using attached to the MFJ. Both CW and SSB are over 100 watts in peak or average meter settings, which as far as I can remember, is the same it has always put out on that meter, even before the "Tune" power output dropped.

I do not recall a sudden drop in Tune power output, it apparently has been sneaking down lower and lowe ron me over the years. I still get great audio "Kenwood-Like-Audio" audio reports, so it seems to be functioning well.

What could cause this symptom?

Message: 4
Date: Wed, 28 Jan 2004 07:06:08 -0800 (PST)
From: Bill K0ZL <coorsbill@...>
Subject: Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL ALC???

Guessing leaky capacitor coming of the grid circuit,
perhaps.

remind me to look at my schems when I get home today..

b

--- k7zs <k7zs@...> wrote:
>Hello Again. Maybe this will resonate with someone?
>
>Everything in this radio seems right, except for the
>ALC function (and low power output. New driver tubes coming) Finals will
>draw 200ma plus adjusting the bias control so finals seem
>fine)
>
>Just for kicks, thought I would check to see if the
>ALC FULL SCALE with NO CARRIER would still happen with the driver
>tube removed, and the heater switch OFF. Carrier all the way off in
>CW mode.
>
>Yep, ALC meter still pegs on SEND.

>
>Any clues where I should look next?
>
>Thanks!
>
>-Kevin K7ZS
>
>
>
>

Rethink your business approach for the new year with the helpful tips here.
http://special.msn.com/bcentral/prep04.armx

1222. RE: [TS-520_820_530_830] Digest Number 312

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-30 00:08:56 UTC
From: Dave Greene
Topic: 1221 Message: 1222

Hey All,

I'm looking to buy the external VFO for my 830S. Is the VFO230 the correct one? If so, how much would a functioning VFO230, with interface cable, be worth?

Thanks to Kyle, I am now thinking about expanding my old 830 which will cause the table in my shack to sag even more in the middle.

Dave WW0W

>From: TS-520_820_530_830@yahoogroups.com
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Digest Number 312
>Date: 29 Jan 2004 06:22:48 -0000
>
>
>There are 15 messages in this issue.
>
>Topics in this digest:
>
> 1. RE: My TS-520
> From: g4jbr@...
> 2. Re: My TS-520
> From: "au20061" <au2006@...>
> 3. Re: My TS-520
> From: Bill K0ZL <coorsbill@...>
> 4. Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
>ALC???
> From: Bill K0ZL <coorsbill@...>
> 5. Tubes, Caps, DVM....???
> From: Phono-Guy <taephono@...>
> 6. 530 Arrived
> From: "Bob M" <baysideq@...>
> 7. Re: Tubes, Caps, DVM....???
> From: Bill K0ZL <coorsbill@...>
> 8. Re: 530 Arrived
> From: Bill K0ZL <coorsbill@...>
> 9. Re: TS-520
> From: james27613@...
> 10. 520-830 + Heathkit
> From: "ka9vaa" <ka9vaa@...>
> 11. 520-830 + Heathkit
> From: "ka9vaa" <ka9vaa@...>
> 12. Re: different Aerial will it work HF

> From: "Bob M" <baysideq@...>
> 13. Re: Re: different Aerial will it work HF
> From: Bill K0ZL <coorsbill@...>
> 14. Re: 530 Arrived
> From: "Bob M" <baysideq@...>
> 15. Re: Re: 530 Arrived
> From: Bill K0ZL <coorsbill@...>
>
>
>_____
>_____
>
>Message: 1
> Date: Wed, 28 Jan 2004 03:32:00 -0500
> From: g4jbr@...
>Subject: RE: My TS-520
>
>hi, TRIO was KENWOOD before it became KENWOOD (there was a firm trading in
>UK under the name of kenwood
>pete g4jbr
> >
> >
>
>_____
>New! Unlimited Netscape Internet Service.
>Only $9.95 a month -- Sign up today at http://isp.netscape.com/register
>Act now to get a personalized email address!
>
>Netscape. Just the Net You Need.
>
>
>_____
>_____
>
>Message: 2
> Date: Wed, 28 Jan 2004 13:57:07 -0000
> From: "au20061" <au2006@...>
>Subject: Re: My TS-520
>
>Kyle...
>
>I will add my 2 cents worth. Go with the 520. The 520 is a great rig
>and is very forgiving. You will not have any problem learning to tune
>the transmitter. I would recomend that you go ahead and get a nice
>tuner to match your antenna. I also like the tuner because you get a
>positive indication of your output power.....this helps make tuning
>easier and also helps diagnose antenna or rig problems. I believe you
>also need a 50 ohm dummy load. This insures you are loading into the
>proper match and again gives you a good reference to see that all is
>working as it should.

>
>Use an antenna that is cut to your operating frequency if at all
>possible. This makes tuning much easier in that you do not need the
>tuner. If your antenna is not cut to frequency....load your
>transmitter into the 50 dummy load to full power......then switch to
>your antenna and adjust the tuner for minimum reflected power. You
>can then check your swr.....if less than 3 to 1 you should be in good
>shape. I have used this procedure for years...it is simple and it
>works.
>
>You have the 520....give it a try.....you can always go to something
>else if it doesn't work as you would like.
>
>You will need the MC50 mike. There are many listed on ebay....just
>make sure you are buying from a ham who has a lot of good feedback
>(selling ham equipment). I have bought tons of equipment on ebay with
>a 99% satisfaction rate. The AT 200 is a good tuner but you can also
>use the AT230. Those seem to be more plentiful. I would not worry
>with the remote vfo yet. Wait till you get comfortable with the rig.
>Remember, if you go down this road and it doesn't work out to your
>satisfaction you can probably get rid of the equipment on ebay for
>about what you have in it. In addition , you will have learned a
>great deal about ham radio and equipment operation so your effort
>will be well worth it.
>
>Good Luck...
>
>Tom K4KFN
>
>--- In TS-520_820_530_830@yahoogroups.com, "Kyle"
><cb750fsuperspor@w...> wrote:
> > Hi group. New member here. To make a long story very short, I`ve
>been sitting on a brand new TS-520 for the last twenty some years. I
>never have been in a position to set up a ham shack, untill recently.
>I also have no real HF experience, or any experience at all. Well
>anyway I have been on a hard core search lately for a new HF rig and
>the decisions are "killing me". For now I decided to follow the old
>acronym K.I.S.S. (keep it simple stupid). Why buy a new hf rig when I
>already own one?
> > So I have decided to get my TS-520 on the air! To tell you the
>truth I`m kinda scared of it, tuning procedures and all.
> > Ya don`t have to do all that with a new radio. Anyway sometime in
>March I will be moving into a house so I will be trying to get the TS
>on the air asap.
> > I do have the original manual that came the radio, so it should be
>easy to follow the tuning steps?
> > There are a couple of things that I would really like to find to
>complete my TS-520 station. Don`t say e bay, I`ve been watching. I
>would like to find a AT-200 tuner. There is one on ebay right now but
>it`s in England and it`s called a TRIO kenwood AT-200. What`s a Trio?

>Does anybody have a better place for me to look for a AT-200? Also
>would like a CW filter YG-3395C, MC-50 mike. Don`t think I would need
>it but wouldn`t hesitate to buy a VFO-520 either. I already have the
>SP-520. I just think it would be great to have the full line of the
>TS-520 gear.
> > Hope I don`t sound stupid or sound to pushy. I`m running out of
>ideas to find the equipment I want, and I ain`t buying no mfj tuner
>either.LoL (I might have to) Thanks for any replies and suggestions.
>73`s Kyle n0mkh
>
>
>
>_____
>_____
>
>Message: 3
> Date: Wed, 28 Jan 2004 07:03:29 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: My TS-520
>
>Kyle, I would start with a resonant antenna, so you
>don't need a tuner. Tuners just complicate things,
>esp. with tube rigs.
>
>By all means, collect the whole set!
>
>I think you do need a good solid state rig too, one
>that is portable for field day or camping and what
>not.
>
>bill
>
>--- Kyle <cb750fsuperspor@...> wrote:
> > Hi group. New member here. To make a long story very
> > short, I`ve been sitting on a brand new TS-520 for
> > the last twenty some years. I never have been in a
> > position to set up a ham shack, untill recently. I
> > also have no real HF experience, or any experience
> > at all. Well anyway I have been on a hard core
> > search lately for a new HF rig and the decisions are
> > "killing me". For now I decided to follow the old
> > acronym K.I.S.S. (keep it simple stupid). Why buy a
> > new hf rig when I already own one?
> > So I have decided to get my TS-520 on the air! To
> > tell you the truth I`m kinda scared of it, tuning
> > procedures and all.
> > Ya don`t have to do all that with a new radio.
> > Anyway sometime in March I will be moving into a
> > house so I will be trying to get the TS on the air
> > asap.

> > I do have the original manual that came the radio,
> > so it should be easy to follow the tuning steps?
> > There are a couple of things that I would really
> > like to find to complete my TS-520 station. Don`t
> > say e bay, I`ve been watching. I would like to find
> > a AT-200 tuner. There is one on ebay right now but
> > it`s in England and it`s called a TRIO kenwood
> > AT-200. What`s a Trio? Does anybody have a better
> > place for me to look for a AT-200? Also would like a
> > CW filter YG-3395C, MC-50 mike. Don`t think I would
> > need it but wouldn`t hesitate to buy a VFO-520
> > either. I already have the SP-520. I just think it
> > would be great to have the full line of the TS-520
> > gear.
> > Hope I don`t sound stupid or sound to pushy. I`m
> > running out of ideas to find the equipment I want,
> > and I ain`t buying no mfj tuner either.LoL (I might
> > have to) Thanks for any replies and suggestions.
> > 73`s Kyle n0mkh
> >
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>_________________________________
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>http://webhosting.yahoo.com/ps/sb/
>
>
>____
>____
>
>Message: 4
> Date: Wed, 28 Jan 2004 07:06:08 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
>ALC???
>
>Guessing leaky capacitor coming of the grid circuit,
>perhaps.
>

>remind me to look at my schems when I get home today..
>
>b
>
>--- k7zs <k7zs@...> wrote:
> > Hello Again. Maybe this will resonate with someone?
> >
> > Everything in this radio seems right, except for the
> > ALC function
> > (and low power output. New driver tubes coming)
> > Finals will draw
> > 200ma plus adjusting the bias control so finals seem
> > fine)
> >
> > Just for kicks, thought I would check to see if the
> > ALC FULL SCALE
> > with NO CARRIER would still happen with the driver
> > tube removed, and
> > the heater switch OFF. Carrier all the way off in
> > CW mode.
> >
> > Yep, ALC meter still pegs on SEND.
> >
> > Any clues where I should look next?
> >
> > Thanks!
> >
> > -Kevin K7ZS
> >
> >
> >
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>_____________________________________
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>http://webhosting.yahoo.com/ps/sb/
>
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>____
>
>Message: 5
> Date: Wed, 28 Jan 2004 07:14:49 -0800 (PST)
> From: Phono-Guy <taephono@...>
>Subject: Tubes, Caps, DVM....???
>
>Hi all,
>
>Has I start putting my station back together after a 6 year hiatus ...
>I've really enjoyed reading the mail on this group .... all sorts of good
>information shared ...!!!
>
>Now I have a couple questions ....
>
>I would like to pick up a few sets of final tubes & drivers.... what does
>"matched tubes" signify?
>
>Any reccomendation on a good distributor for these tubes, what brands
>should I avoid?
>
>
>I'm looking for a good DVM ... I've always thought the Fluke meters were
>good quality ...
>
>can anyone reccomend a good model, and where I should buy from.??
>
>Thanks for all comments & replies,
>
>73,
>
>Clint
>
>WS1V
>
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>---------------------------------
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>
>[Non-text portions of this message have been removed]
>
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>____
>____

>
>Message: 6
> Date: Wed, 28 Jan 2004 15:46:52 -0000
> From: "Bob M" <baysideq@...>
>Subject: 530 Arrived
>
>Well my TS-530S arrived Yesterday, very nice clean unit.
>
>Hmmm ... No Mic.. what the ... (emailed sender forgot to put in box
>will mail today)
>
>Opened sprayed vary/caps and pots that are accesible with contact
>cleaner lightly cleaned dusted the inside and removed Fan and lubed
>and cleaned, Mild soap clean on outside of case... looks like new.
>
>Attached long wire for receive.... worried I'd blow something.. all
>worked heard Nuthin.... Hmmmm.
>
>Today Took it down the my AR club and we gave it a test.
>Everyone liked it's condition. Very impressed even in original
>Carton etc.
>
>Wired up old mic to plug .... Works ??
>Tested ok on receive tried to Transmitt...dah nuthin... Hmmm ,
>grumble look puzzeld. Open case all lookd good, drop botom of case,
>maybe some hair cracks around the Valve bases... resolder them,'
>
>Hmmm still no good , negative voltage on valve gate..... puzzled
>looks maybe tubes damaged in transit.... look schematic...Hmmm
>Switch in line.... ?? Light bulb?? ... remember book saying switch
>on back turn off for no transmitt,,,,,,,,
>
>Phew.... ok Good now it works..... read book see about switch....:)
>
>Contact made to test rig..... Malooabah Qld to Woollongong NSW..
>middle of the day about 1200 Klm's Good for first time..
>
>Good signal and voice both ways... Yahhhhhh....Sigh of releif.
>
>A couple of red faces from AR members... well at least we got to
>check out the inside tooo.
>
>2 filters. moded for all chanel transmit. all clean and tidy..
>
>Well worth the wait and money..
>
>Regards
>Bob M.
>
>

>
>
>
>
>____
>____
>
>Message: 7
> Date: Wed, 28 Jan 2004 09:51:43 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Tubes, Caps, DVM....???
>
>Any of the Fluke 70 or 80 series will work fine for
>you. I am happy with my 73 and 77 meters, both are
>great and seemingly bullet-proof.
>
>GE 6146B are the only way to go. If you can find 4 or
>5 NIB or NOS (new in box, or new old stock, i.e.
>unused), get them. Don't worry about the matching...
>tubes match themselves if you have same manufacturer
>in there. They are in parallel, not push-pull so
>matching not important.
>
>Just don't mix a used tube with a new one!
>
>12BY7, any manuf, prefer GE, used OK as long as the
>output holds up. Get several; if you find one that is
>unstable, dont' toss it.. save for another rig, may
>work just fine.
>
>bill
>
>--- Phono-Guy <taephono@...> wrote:
> > Hi all,
> >
> > Has I start putting my station back together after a
> > 6 year hiatus ...
> > I've really enjoyed reading the mail on this group
> > .... all sorts of good information shared ...!!!
> >
> > Now I have a couple questions ....
> >
> > I would like to pick up a few sets of final tubes &
> > drivers.... what does "matched tubes" signify?
> >
> > Any reccomendation on a good distributor for these
> > tubes, what brands should I avoid?
> >
> >
> > I'm looking for a good DVM ... I've always thought

> > the Fluke meters were good quality ...
> >
> > can anyone reccomend a good model, and where I
> > should buy from.??
> >
> > Thanks for all comments & replies,
> >
> > 73,
> >
> > Clint
> >
> > WS1V
> >
> >
> >
> >
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> >
> > ---------------------------------
> > Do you Yahoo!?
> > Yahoo! SiteBuilder - Free web site building tool.
> > Try it!
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
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>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>_________________________________
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>http://webhosting.yahoo.com/ps/sb/
>
>
>____
>____
>
>Message: 8
> Date: Wed, 28 Jan 2004 10:11:12 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>

>Subject: Re: 530 Arrived
>
>Great, congratulations.
>
>Yes the SG switch is a great "grandkids" switch...
>Turn it off and they won't fry your finals by leaving
>the rig in TX mode when you aren't looking.
>
>The SG circuit can be re-wired to allow QRP operation,
>so that instead of shutting the finals clear off, it
>cuts your output down somewhat, say to 3-5 watts.
>
>bill
>
>--- Bob M <baysideq@...> wrote:
> > Well my TS-530S arrived Yesterday, very nice clean
> > unit.
> >
> > Hmmm ... No Mic.. what the ... (emailed sender
> > forgot to put in box
> > will mail today)
> >
> > Opened sprayed vary/caps and pots that are accesible
> > with contact
> > cleaner lightly cleaned dusted the inside and
> > removed Fan and lubed
> > and cleaned, Mild soap clean on outside of case...
> > looks like new.
> >
> > Attached long wire for receive.... worried I'd blow
> > something.. all
> > worked heard Nuthin.... Hmmmm.
> >
> > Today Took it down the my AR club and we gave it a
> > test.
> > Everyone liked it's condition. Very impressed even
> > in original
> > Carton etc.
> >
> > Wired up old mic to plug .... Works ??
> > Tested ok on receive tried to Transmitt...dah
> > nuthin... Hmmm ,
> > grumble look puzzeld. Open case all lookd good, drop
> > botom of case,
> > maybe some hair cracks around the Valve bases...
> > resolder them,'
> >
> > Hmmm still no good , negative voltage on valve
> > gate..... puzzled
> > looks maybe tubes damaged in transit.... look

> > schematic...Hmmm
> > Switch in line.... ?? Light bulb?? ... remember book
> > saying switch
> > on back turn off for no transmitt,,,,,,,,
> >
> > Phew.... ok Good now it works..... read book see
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> > Contact made to test rig..... Malooabah Qld to
> > Woollongong NSW..
> > middle of the day about 1200 Klm's Good for first
> > time..
> >
> > Good signal and voice both ways... Yahhhhhh....Sigh
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>"If in doubt, MODIFY" --k0zl
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>Need a tech? See our website www.amateur-repairs.com
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>_____________________________________
>Do you Yahoo!?
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>
>
>____

>_____
>
>Message: 9
> Date: Wed, 28 Jan 2004 18:56:17 +0000
> From: james27613@...
>Subject: Re: TS-520
>
>hi kyle,
>
>Good idea to keep what you have, you can always move up to a newer radio
>should your
>needs change, the 520 is also a great radio for backup use.
>
>Did you know you can setup a search in ebay to email you if an item you are
>looking for
>shows up ? I've gotten all my geat that way and sold some things to pay
>for it all too.
>
>Another place to look is http://www.arrl.org has classifieds (arrl member
>only can post)
>but anyone can read the ads.
>
>http://www.qth.com and http://www.eham.net also great places to research
>the things you
>need.
>
>The vfo is nice, if you like to work split or contests it is good to have.
>
>Just keep looking, you may find one or two items that are local to you for
>easy pickup.
>
>For tuneup, don't worry, just photocopy page # 22 in the manual and keep it
>handy.
>
>Drive plate load easy to remember and do be sure to have a good dummy
>load,
>that makes a big difference on tuneups.
>
>I am sure others in the group will pass on additional info.
>
>73 James
>
>
>_____
>_____
>
>Message: 10
> Date: Thu, 29 Jan 2004 00:24:27 -0000
> From: "ka9vaa" <ka9vaa@...>
>Subject: 520-830 + Heathkit

>
>
>
>
>
>_____
>_____
>
>Message: 11
> Date: Thu, 29 Jan 2004 00:27:41 -0000
> From: "ka9vaa" <ka9vaa@...>
>Subject: 520-830 + Heathkit
>
>Has anyone tried using a heathkit sb-610 or sb-614 with a 520 or 830?
>
>I have a offer for a free 610 that works and a 614 not working.
>
>Just wonder if a 100 mile drive is worth it.
>
>Thanks for any comments.
>
>Tom
>
>
>
>
>
>_____
>_____
>
>Message: 12
> Date: Thu, 29 Jan 2004 03:19:25 -0000
> From: "Bob M" <baysideq@...>
>Subject: Re: different Aerial will it work HF
>
>Thanks adam,
>I'm looking at dipols but in a slightly different way..
>
>What if I were to run the wires along the Ridge caping tiles.
>
>I have two options one is in an L at 45-315deg magnetic then 2nd
>leg at 315 deg end 225 - 135deg magnetic.
>
> 17mtrs
> _______ NNE
> | x
>8mtrs |
> | x is aprox location of rig in house.
> ESE
>I may be able to extend each leg by 2-21/2mtrs running down the

>45deg Hip slope ____ at the end of each run.
> \
> \
>
>Then I would be able to Silicon the Coax to the ridge caping then
>run the feed in under a tile through the foil down to my rig with a
>swr/tuner.
>
>Has anyone tried this before??
>
>Regards Bob M.
>--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
>wrote:
> > At 09:51 PM 27/01/04, you wrote:
> > >I was looking into a loop but found that my roof has full foil
> > >sheeting under the tiles.. so I'm have a rethink.
> > >
> > >Regards
> > >Bob M.
> >
> > Hi Bob
> >
> > That foil in the roof would make a great ground plane for the
>vertical....
> > if the body corporate will let you put it on the roof that is.
> >
> > BTW there is nothing to say that a dipole or any other wire
>antenna should
> > be straight, you can run it anyway you like. Yes there may be some
> > degradation of the radiation pattern but this may not bother you
>if you can
> > work out which way the antenna favors and orient it to your
>preferred
> > direction. Just remember to keep the feed point as high as
>possible.
> >
> > I use and off centre fed dipole here, and it is in the shape of an
>over
> > bent U The legs point south and south west respectively. for 80m
>and 40m
> > there is no real change in pattern but on 20m and higher there is
>a
> > definite South Westerly benefit.
> >
> > 73
> >
> > Adam VK4KSS
> > Gecko free
> >
> > ----------

> >
> >
> > ---
> > Outgoing mail has been scanned for virus infection and is
>certified Virus Free by AVG Anti-Virus System
> > Checked by AVG anti-virus system (http://www.grisoft.com).
> > Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
> >
> >
> > [Non-text portions of this message have been removed]
>
>
>
>_____
>_____
>
>Message: 13
> Date: Wed, 28 Jan 2004 19:36:47 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Re: different Aerial will it work HF
>
>If you have foil under the tiles this will not work. The antenna has to be
>away from metal.
>
>Can you put it up under an eave, or along a (non-metallic) wall?
>
>b
>
>Bob M <baysideq@...> wrote:
>Thanks adam,
>I'm looking at dipols but in a slightly different way..
>
>What if I were to run the wires along the Ridge caping tiles.
>
>I have two options one is in an L at 45-315deg magnetic then 2nd
>leg at 315 deg end 225 - 135deg magnetic.
>
> 17mtrs
> _______ NNE
> | x
>8mtrs |
> | x is aprox location of rig in house.
> ESE
>I may be able to extend each leg by 2-21/2mtrs running down the
>45deg Hip slope ____ at the end of each run.
> \
> \
>
>Then I would be able to Silicon the Coax to the ridge caping then
>run the feed in under a tile through the foil down to my rig with a

>swr/tuner.
>
>Has anyone tried this before??
>
>Regards Bob M.
>--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
>wrote:
> > At 09:51 PM 27/01/04, you wrote:
> > >I was looking into a loop but found that my roof has full foil
> > >sheeting under the tiles.. so I'm have a rethink.
> > >
> > >Regards
> > >Bob M.
> >
> > Hi Bob
> >
> > That foil in the roof would make a great ground plane for the
>vertical....
> > if the body corporate will let you put it on the roof that is.
> >
> > BTW there is nothing to say that a dipole or any other wire
>antenna should
> > be straight, you can run it anyway you like. Yes there may be some
> > degradation of the radiation pattern but this may not bother you
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> > work out which way the antenna favors and orient it to your
>preferred
> > direction. Just remember to keep the feed point as high as
>possible.
> >
> > I use and off centre fed dipole here, and it is in the shape of an
>over
> > bent U The legs point south and south west respectively. for 80m
>and 40m
> > there is no real change in pattern but on 20m and higher there is
>a
> > definite South Westerly benefit.
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> > 73
> >
> > Adam VK4KSS
> > Gecko free
> >
> > ----------
> >
> >
> > ---
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> > Checked by AVG anti-virus system (http://www.grisoft.com).

> > Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
> >
> >
> > [Non-text portions of this message have been removed]
>
>
>
>---------------------------------
>Yahoo! Groups Links
>
> To visit your group on the web, go to:
>http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
>TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
>
>
>
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>---------------------------------
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>
>[Non-text portions of this message have been removed]
>
>
>
>____
>____
>
>Message: 14
> Date: Thu, 29 Jan 2004 03:48:04 -0000
> From: "Bob M" <baysideq@...>
>Subject: Re: 530 Arrived
>
>
>
>Thanks Bill,
>
>I'd be interested in that mod for future reference..
>

>Regards
>Bob M.
>
>Steep learning curve
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
><coorsbill@y...> wrote:
> > Great, congratulations.
> >
> > Yes the SG switch is a great "grandkids" switch...
> > Turn it off and they won't fry your finals by leaving
> > the rig in TX mode when you aren't looking.
> >
> > The SG circuit can be re-wired to allow QRP operation,
> > so that instead of shutting the finals clear off, it
> > cuts your output down somewhat, say to 3-5 watts.
> >
> > bill
> >
> > --- Bob M <baysideq@h...> wrote:
> > > Well my TS-530S arrived Yesterday, very nice clean
> > > unit.
> > >
> > > Hmmm ... No Mic.. what the ... (emailed sender
> > > forgot to put in box
> > > will mail today)
> > >
> > > Opened sprayed vary/caps and pots that are accesible
> > > with contact
> > > cleaner lightly cleaned dusted the inside and
> > > removed Fan and lubed
> > > and cleaned, Mild soap clean on outside of case...
> > > looks like new.
> > >
> > > Attached long wire for receive.... worried I'd blow
> > > something.. all
> > > worked heard Nuthin.... Hmmmm.
> > >
> > > Today Took it down the my AR club and we gave it a
> > > test.
> > > Everyone liked it's condition. Very impressed even
> > > in original
> > > Carton etc.
> > >
> > > Wired up old mic to plug .... Works ??
> > > Tested ok on receive tried to Transmitt...dah
> > > nuthin... Hmmm ,
> > > grumble look puzzeld. Open case all lookd good, drop
> > > botom of case,
> > > maybe some hair cracks around the Valve bases...

> > > resolder them,'
> > >
> > > Hmmm still no good , negative voltage on valve
> > > gate..... puzzled
> > > looks maybe tubes damaged in transit.... look
> > > schematic...Hmmm
> > > Switch in line.... ?? Light bulb?? ... remember book
> > > saying switch
> > > on back turn off for no transmitt,,,,,,,,
> > >
> > > Phew.... ok Good now it works..... read book see
> > > about switch....:)
> > >
> > > Contact made to test rig..... Malooabah Qld to
> > > Woollongong NSW..
> > > middle of the day about 1200 Klm's Good for first
> > > time..
> > >
> > > Good signal and voice both ways... Yahhhhhh....Sigh
> > > of releif.
> > >
> > > A couple of red faces from AR members... well at
> > > least we got to
> > > check out the inside tooo.
> > >
> > > 2 filters. moded for all chanel transmit. all clean
> > > and tidy..
> > >
> > > Well worth the wait and money..
> > >
> > > Regards
> > > Bob M.
> > >
> > >
> > >
> > >
> > >
> > >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
> >
> >
> >
> > _____
> > Do you Yahoo!?

> > Yahoo! SiteBuilder - Free web site building tool. Try it!
> > http://webhosting.yahoo.com/ps/sb/
>
>
>
>_____
>_____
>
>Message: 15
> Date: Wed, 28 Jan 2004 19:54:32 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Re: 530 Arrived
>
>It involves re-routing the wire on the SG switch that goes to the -110volt
>dc supply to the 250 volt screen supply; need to use a 2 watt potentiometer
>to get just the right voltage on the screens, then you sub a fixed 5 watts
>resistor voltage divider.
>
>Don't have the exact wiring, it's been a while.
>
>To get QRP you can also "fool" the external ALC input to the rig (that
>would come from an amp) with a 9 volt battery and a pot, to reduce power.
>
>bill
>
>
>Bob M <baysideq@...> wrote:
>
>
>Thanks Bill,
>
>I'd be interested in that mod for future reference..
>
>Regards
>Bob M.
>
>Steep learning curve
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
><coorsbill@y...> wrote:
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> >
> > Yes the SG switch is a great "grandkids" switch...
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> > the rig in TX mode when you aren't looking.
> >
> > The SG circuit can be re-wired to allow QRP operation,
> > so that instead of shutting the finals clear off, it
> > cuts your output down somewhat, say to 3-5 watts.
> >

> > bill
> >
> > --- Bob M <baysideq@h...> wrote:
> > > Well my TS-530S arrived Yesterday, very nice clean
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> > >
> > > Hmmm ... No Mic.. what the ... (emailed sender
> > > forgot to put in box
> > > will mail today)
> > >
> > > Opened sprayed vary/caps and pots that are accesible
> > > with contact
> > > cleaner lightly cleaned dusted the inside and
> > > removed Fan and lubed
> > > and cleaned, Mild soap clean on outside of case...
> > > looks like new.
> > >
> > > Attached long wire for receive.... worried I'd blow
> > > something.. all
> > > worked heard Nuthin.... Hmmmm.
> > >
> > > Today Took it down the my AR club and we gave it a
> > > test.
> > > Everyone liked it's condition. Very impressed even
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> > > Wired up old mic to plug .... Works ??
> > > Tested ok on receive tried to Transmitt...dah
> > > nuthin... Hmmm ,
> > > grumble look puzzeld. Open case all lookd good, drop
> > > botom of case,
> > > maybe some hair cracks around the Valve bases...
> > > resolder them,'
> > >
> > > Hmmm still no good , negative voltage on valve
> > > gate..... puzzled
> > > looks maybe tubes damaged in transit.... look
> > > schematic...Hmmm
> > > Switch in line.... ?? Light bulb?? ... remember book
> > > saying switch
> > > on back turn off for no transmitt,,,,,,,,
> > >
> > > Phew.... ok Good now it works..... read book see
> > > about switch....:)
> > >
> > > Contact made to test rig..... Malooabah Qld to
> > > Woollongong NSW..
> > > middle of the day about 1200 Klm's Good for first
> > > time..

> > >
> > > Good signal and voice both ways... Yahhhhhh....Sigh
> > > of releif.
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> > > A couple of red faces from AR members... well at
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> > >
> > > 2 filters. moded for all chanel transmit. all clean
> > > and tidy..
> > >
> > > Well worth the wait and money..
> > >
> > > Regards
> > > Bob M.
> > >
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
> >
> >
> >
> > _____________________________________
> > Do you Yahoo!?
> > Yahoo! SiteBuilder - Free web site building tool. Try it!
> > http://webhosting.yahoo.com/ps/sb/
>
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>Yahoo! Groups Links
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>
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>
>"If in doubt, MODIFY" --k0zl
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>Need a tech? See our website www.amateur-repairs.com
>
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>---------------------------------
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>
>[Non-text portions of this message have been removed]
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>---
>Yahoo! Groups Links
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>
>Your use of Yahoo! Groups is subject to:
> http://docs.yahoo.com/info/terms/
>---
>
>

____
Check out the coupons and bargains on MSN Offers!
http://shopping.msn.com/softcontent/softcontent.aspx?scmId=1418

1223. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-30 11:47:16 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 1223

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /MODS/Use ALC input to 'force' QRP operation.jpg
Uploaded by : k0zl <coorsbill@...>
Description : Thanks James27613.

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/MODS/Use%20ALC%20input%20to%20%27force%27%20QRP%20operation.jpg

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

1224. Re: [TS-520_820_530_830] New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-30 11:46:46 UTC
From: Bill K0ZL
Topic: 262 Message: 1224

Thanks James, nice drawing!

I have converted it to .JPG and uploaded it to the group FILES section under MODS.

73,

Bill

TS-520_820_530_830@yahoogroups.com wrote:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /ts520qrp.gif
Uploaded by : james27613 <james27613@...>
Description : TS-520-QRP

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/ts520qrp.gif

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

james27613 <james27613@...>

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1225. TS-830S Scanned Schematic that is readable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-31 07:48:20 UTC
From: k7zs
Topic: 1225 Message: 1225

Hello Group

Well, it wasn't worth the wait! The Service Manual on CD-ROM for the TS-830 from www.thecdguyz.com arrived today. The schematic is so poorly scanned that the critical reason for having it from service manual compared to the users manual is lost. The voltage check values for the transceiver are illegible. The schematic in the file section here is better, but still inadequate.

Has anybody had personal experience with W7FG's hard copy of the TS-830 service manual? It seems that 1 (mediocre) scan has propogated across the entire internet, and nobody has taken the time to do it right?

Anybody willing to scan just the schematic in the highest resolution possible and send it to me, or post it for the group??? I would be grateful!

Thanks and 73

-Kevin K7ZS

1226. RE: [TS-520_820_530_830] Digest Number 312

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-31 02:50:59 UTC
From: Walter Milton
Topic: 1221 Message: 1226

Dave,

Yes the 230 is the correct one for the TS-830S. I purchased mine about two years ago for $250.00. I LOVE IT!!!

Walt., KA2NJF
-----Original Message-----
From: Dave Greene [mailto:oneofthedawgs@...]
Sent: Thursday, January 29, 2004 7:09 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Digest Number 312

Hey All,

I'm looking to buy the external VFO for my 830S. Is the VFO230 the correct
one? If so, how much would a functioning VFO230, with interface cable, be
worth?

Thanks to Kyle, I am now thinking about expanding my old 830 which will
cause the table in my shack to sag even more in the middle.

Dave WW0W

>From: TS-520_820_530_830@yahoogroups.com
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Digest Number 312
>Date: 29 Jan 2004 06:22:48 -0000
>
>
>There are 15 messages in this issue.
>
>Topics in this digest:
>
> 1. RE: My TS-520
> From: g4jbr@...
> 2. Re: My TS-520
> From: "au20061" <au2006@...>
> 3. Re: My TS-520
> From: Bill K0ZL <coorsbill@...>
> 4. Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
>ALC???
> From: Bill K0ZL <coorsbill@...>
> 5. Tubes, Caps, DVM....???
> From: Phono-Guy <taephono@...>
> 6. 530 Arrived

> From: "Bob M" <baysideq@...>
> 7. Re: Tubes, Caps, DVM....???
> From: Bill K0ZL <coorsbill@...>
> 8. Re: 530 Arrived
> From: Bill K0ZL <coorsbill@...>
> 9. Re: TS-520
> From: james27613@...
> 10. 520-830 + Heathkit
> From: "ka9vaa" <ka9vaa@...>
> 11. 520-830 + Heathkit
> From: "ka9vaa" <ka9vaa@...>
> 12. Re: different Aerial will it work HF
> From: "Bob M" <baysideq@...>
> 13. Re: Re: different Aerial will it work HF
> From: Bill K0ZL <coorsbill@...>
> 14. Re: 530 Arrived
> From: "Bob M" <baysideq@...>
> 15. Re: Re: 530 Arrived
> From: Bill K0ZL <coorsbill@...>
>
>
>_____
>_____
>
>Message: 1
> Date: Wed, 28 Jan 2004 03:32:00 -0500
> From: g4jbr@...
>Subject: RE: My TS-520
>
>hi, TRIO was KENWOOD before it became KENWOOD (there was a firm trading
in
>UK under the name of kenwood
>pete g4jbr
> >
> >
>
>_____
>New! Unlimited Netscape Internet Service.
>Only $9.95 a month -- Sign up today at http://isp.netscape.com/register
>Act now to get a personalized email address!
>
>Netscape. Just the Net You Need.
>
>
>_____
>_____
>
>Message: 2
> Date: Wed, 28 Jan 2004 13:57:07 -0000
> From: "au20061" <au2006@...>

>Subject: Re: My TS-520
>
>Kyle...
>
>I will add my 2 cents worth. Go with the 520. The 520 is a great rig
>and is very forgiving. You will not have any problem learning to tune
>the transmitter. I would recomend that you go ahead and get a nice
>tuner to match your antenna. I also like the tuner because you get a
>positive indication of your output power.....this helps make tuning
>easier and also helps diagnose antenna or rig problems. I believe you
>also need a 50 ohm dummy load. This insures you are loading into the
>proper match and again gives you a good reference to see that all is
>working as it should.
>
>Use an antenna that is cut to your operating frequency if at all
>possible. This makes tuning much easier in that you do not need the
>tuner. If your antenna is not cut to frequency....load your
>transmitter into the 50 dummy load to full power......then switch to
>your antenna and adjust the tuner for minimum reflected power. You
>can then check your swr.....if less than 3 to 1 you should be in good
>shape. I have used this procedure for years...it is simple and it
>works.
>
>You have the 520....give it a try.....you can always go to something
>else if it doesn't work as you would like.
>
>You will need the MC50 mike. There are many listed on ebay....just
>make sure you are buying from a ham who has a lot of good feedback
>(selling ham equipment). I have bought tons of equipment on ebay with
>a 99% satisfaction rate. The AT 200 is a good tuner but you can also
>use the AT230. Those seem to be more plentiful. I would not worry
>with the remote vfo yet. Wait till you get comfortable with the rig.
>Remember, if you go down this road and it doesn't work out to your
>satisfaction you can probably get rid of the equipment on ebay for
>about what you have in it. In addition , you will have learned a
>great deal about ham radio and equipment operation so your effort
>will be well worth it.
>
>Good Luck...
>
>Tom K4KFN
>
>--- In TS-520_820_530_830@yahoogroups.com, "Kyle"
><cb750fsuperspor@w...> wrote:
> > Hi group. New member here. To make a long story very short, I`ve
>been sitting on a brand new TS-520 for the last twenty some years. I
>never have been in a position to set up a ham shack, untill recently.
>I also have no real HF experience, or any experience at all. Well
>anyway I have been on a hard core search lately for a new HF rig and
>the decisions are "killing me". For now I decided to follow the old

>acronym K.I.S.S. (keep it simple stupid). Why buy a new hf rig when I
>already own one?
> > So I have decided to get my TS-520 on the air! To tell you the
>truth I`m kinda scared of it, tuning procedures and all.
> > Ya don`t have to do all that with a new radio. Anyway sometime in
>March I will be moving into a house so I will be trying to get the TS
>on the air asap.
> > I do have the original manual that came the radio, so it should be
>easy to follow the tuning steps?
> > There are a couple of things that I would really like to find to
>complete my TS-520 station. Don`t say e bay, I`ve been watching. I
>would like to find a AT-200 tuner. There is one on ebay right now but
>it`s in England and it`s called a TRIO kenwood AT-200. What`s a Trio?
>Does anybody have a better place for me to look for a AT-200? Also
>would like a CW filter YG-3395C, MC-50 mike. Don`t think I would need
>it but wouldn`t hesitate to buy a VFO-520 either. I already have the
>SP-520. I just think it would be great to have the full line of the
>TS-520 gear.
> > Hope I don`t sound stupid or sound to pushy. I`m running out of
>ideas to find the equipment I want, and I ain`t buying no mfj tuner
>either.LoL (I might have to) Thanks for any replies and suggestions.
>73`s Kyle n0mkh
>
>
>
>_____
>_____
>
>Message: 3
> Date: Wed, 28 Jan 2004 07:03:29 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: My TS-520
>
>Kyle, I would start with a resonant antenna, so you
>don't need a tuner. Tuners just complicate things,
>esp. with tube rigs.
>
>By all means, collect the whole set!
>
>I think you do need a good solid state rig too, one
>that is portable for field day or camping and what
>not.
>
>bill
>
>--- Kyle <cb750fsuperspor@...> wrote:
> > Hi group. New member here. To make a long story very
> > short, I`ve been sitting on a brand new TS-520 for
> > the last twenty some years. I never have been in a
> > position to set up a ham shack, untill recently. I

> > also have no real HF experience, or any experience
> > at all. Well anyway I have been on a hard core
> > search lately for a new HF rig and the decisions are
> > "killing me". For now I decided to follow the old
> > acronym K.I.S.S. (keep it simple stupid). Why buy a
> > new hf rig when I already own one?
> > So I have decided to get my TS-520 on the air! To
> > tell you the truth I`m kinda scared of it, tuning
> > procedures and all.
> > Ya don`t have to do all that with a new radio.
> > Anyway sometime in March I will be moving into a
> > house so I will be trying to get the TS on the air
> > asap.
> > I do have the original manual that came the radio,
> > so it should be easy to follow the tuning steps?
> > There are a couple of things that I would really
> > like to find to complete my TS-520 station. Don`t
> > say e bay, I`ve been watching. I would like to find
> > a AT-200 tuner. There is one on ebay right now but
> > it`s in England and it`s called a TRIO kenwood
> > AT-200. What`s a Trio? Does anybody have a better
> > place for me to look for a AT-200? Also would like a
> > CW filter YG-3395C, MC-50 mike. Don`t think I would
> > need it but wouldn`t hesitate to buy a VFO-520
> > either. I already have the SP-520. I just think it
> > would be great to have the full line of the TS-520
> > gear.
> > Hope I don`t sound stupid or sound to pushy. I`m
> > running out of ideas to find the equipment I want,
> > and I ain`t buying no mfj tuner either.LoL (I might
> > have to) Thanks for any replies and suggestions.
> > 73`s Kyle n0mkh
> >
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
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>
>_________________________________
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>http://webhosting.yahoo.com/ps/sb/
>

>
>_____
>_____
>
>Message: 4
> Date: Wed, 28 Jan 2004 07:06:08 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
>ALC???
>
>Guessing leaky capacitor coming of the grid circuit,
>perhaps.
>
>remind me to look at my schems when I get home today..
>
>b
>
>--- k7zs <k7zs@...> wrote:
> > Hello Again. Maybe this will resonate with someone?
> >
> > Everything in this radio seems right, except for the
> > ALC function
> > (and low power output. New driver tubes coming)
> > Finals will draw
> > 200ma plus adjusting the bias control so finals seem
> > fine)
> >
> > Just for kicks, thought I would check to see if the
> > ALC FULL SCALE
> > with NO CARRIER would still happen with the driver
> > tube removed, and
> > the heater switch OFF. Carrier all the way off in
> > CW mode.
> >
> > Yep, ALC meter still pegs on SEND.
> >
> > Any clues where I should look next?
> >
> > Thanks!
> >
> > -Kevin K7ZS
> >
> >
> >
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl

>
>Need a tech? See our website www.amateur-repairs.com
>
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>
>_____________________________________
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>http://webhosting.yahoo.com/ps/sb/
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>____
>
>Message: 5
> Date: Wed, 28 Jan 2004 07:14:49 -0800 (PST)
> From: Phono-Guy <taephono@...>
>Subject: Tubes, Caps, DVM....???
>
>Hi all,
>
>Has I start putting my station back together after a 6 year hiatus ...
>I've really enjoyed reading the mail on this group .... all sorts of
good
>information shared ...!!!
>
>Now I have a couple questions ....
>
>I would like to pick up a few sets of final tubes & drivers.... what does
>"matched tubes" signify?
>
>Any reccomendation on a good distributor for these tubes, what brands
>should I avoid?
>
>
>I'm looking for a good DVM ... I've always thought the Fluke meters were
>good quality ...
>
>can anyone reccomend a good model, and where I should buy from.??
>
>Thanks for all comments & replies,
>
>73,
>
>Clint
>
>WS1V
>
>

>
>
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>
>---------------------------------
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>
>[Non-text portions of this message have been removed]
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>____
>____
>
>Message: 6
> Date: Wed, 28 Jan 2004 15:46:52 -0000
> From: "Bob M" <baysideq@...>
>Subject: 530 Arrived
>
>Well my TS-530S arrived Yesterday, very nice clean unit.
>
>Hmmm ... No Mic.. what the ... (emailed sender forgot to put in box
>will mail today)
>
>Opened sprayed vary/caps and pots that are accesible with contact
>cleaner lightly cleaned dusted the inside and removed Fan and lubed
>and cleaned, Mild soap clean on outside of case... looks like new.
>
>Attached long wire for receive.... worried I'd blow something.. all
>worked heard Nuthin.... Hmmmm.
>
>Today Took it down the my AR club and we gave it a test.
>Everyone liked it's condition. Very impressed even in original
>Carton etc.
>
>Wired up old mic to plug .... Works ??
>Tested ok on receive tried to Transmitt...dah nuthin... Hmmm ,
>grumble look puzzeld. Open case all lookd good, drop botom of case,
>maybe some hair cracks around the Valve bases... resolder them,'
>
>Hmmm still no good , negative voltage on valve gate..... puzzled
>looks maybe tubes damaged in transit.... look schematic...Hmmm
>Switch in line.... ?? Light bulb?? ... remember book saying switch
>on back turn off for no transmitt,,,,,,,,
>
>Phew.... ok Good now it works..... read book see about switch....:)
>
>Contact made to test rig..... Malooabah Qld to Woollongong NSW..
>middle of the day about 1200 Klm's Good for first time..

>
>Good signal and voice both ways... Yahhhhhh....Sigh of releif.
>
>A couple of red faces from AR members... well at least we got to
>check out the inside tooo.
>
>2 filters. moded for all chanel transmit. all clean and tidy..
>
>Well worth the wait and money..
>
>Regards
>Bob M.
>
>
>
>
>
>
>
>_____
>_____
>
>Message: 7
> Date: Wed, 28 Jan 2004 09:51:43 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Tubes, Caps, DVM....???
>
>Any of the Fluke 70 or 80 series will work fine for
>you. I am happy with my 73 and 77 meters, both are
>great and seemingly bullet-proof.
>
>GE 6146B are the only way to go. If you can find 4 or
>5 NIB or NOS (new in box, or new old stock, i.e.
>unused), get them. Don't worry about the matching...
>tubes match themselves if you have same manufacturer
>in there. They are in parallel, not push-pull so
>matching not important.
>
>Just don't mix a used tube with a new one!
>
>12BY7, any manuf, prefer GE, used OK as long as the
>output holds up. Get several; if you find one that is
>unstable, dont' toss it.. save for another rig, may
>work just fine.
>
>bill
>
>--- Phono-Guy <taephono@...> wrote:
> > Hi all,
> >
> > Has I start putting my station back together after a

> > 6 year hiatus ...
> > I've really enjoyed reading the mail on this group
> > .... all sorts of good information shared ...!!!
> >
> > Now I have a couple questions ....
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> >
> > Any reccomendation on a good distributor for these
> > tubes, what brands should I avoid?
> >
> >
> > I'm looking for a good DVM ... I've always thought
> > the Fluke meters were good quality ...
> >
> > can anyone reccomend a good model, and where I
> > should buy from.??
> >
> > Thanks for all comments & replies,
> >
> > 73,
> >
> > Clint
> >
> > WS1V
> >
> >
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> >
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> > ---------------------------------
> > Do you Yahoo!?
> > Yahoo! SiteBuilder - Free web site building tool.
> > Try it!
> >
> > [Non-text portions of this message have been
> > removed]
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>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>

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>
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>
>Message: 8
> Date: Wed, 28 Jan 2004 10:11:12 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: 530 Arrived
>
>Great, congratulations.
>
>Yes the SG switch is a great "grandkids" switch...
>Turn it off and they won't fry your finals by leaving
>the rig in TX mode when you aren't looking.
>
>The SG circuit can be re-wired to allow QRP operation,
>so that instead of shutting the finals clear off, it
>cuts your output down somewhat, say to 3-5 watts.
>
>bill
>
>--- Bob M <baysideq@...> wrote:
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> > unit.
> >
> > Hmmm ... No Mic.. what the ... (emailed sender
> > forgot to put in box
> > will mail today)
> >
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> > with contact
> > cleaner lightly cleaned dusted the inside and
> > removed Fan and lubed
> > and cleaned, Mild soap clean on outside of case...
> > looks like new.
> >
> > Attached long wire for receive.... worried I'd blow
> > something.. all
> > worked heard Nuthin.... Hmmmm.
> >
> > Today Took it down the my AR club and we gave it a
> > test.
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> > in original
> > Carton etc.
> >
> > Wired up old mic to plug .... Works ??
> > Tested ok on receive tried to Transmitt...dah
> > nuthin... Hmmm ,
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> > botom of case,
> > maybe some hair cracks around the Valve bases...
> > resolder them,'
> >
> > Hmmm still no good , negative voltage on valve
> > gate..... puzzled
> > looks maybe tubes damaged in transit.... look
> > schematic...Hmmm
> > Switch in line.... ?? Light bulb?? ... remember book
> > saying switch
> > on back turn off for no transmitt,,,,,,,,
> >
> > Phew.... ok Good now it works..... read book see
> > about switch....:)
> >
> > Contact made to test rig..... Malooabah Qld to
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> > middle of the day about 1200 Klm's Good for first
> > time..
> >
> > Good signal and voice both ways... Yahhhhhh....Sigh
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> > Well worth the wait and money..
> >
> > Regards
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> >
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>
>
>=====
>

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>
>_____________________________________
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>http://webhosting.yahoo.com/ps/sb/
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>
>Message: 9
> Date: Wed, 28 Jan 2004 18:56:17 +0000
> From: james27613@...
>Subject: Re: TS-520
>
>hi kyle,
>
>Good idea to keep what you have, you can always move up to a newer radio
>should your
>needs change, the 520 is also a great radio for backup use.
>
>Did you know you can setup a search in ebay to email you if an item you
are
>looking for
>shows up ? I've gotten all my geat that way and sold some things to pay
>for it all too.
>
>Another place to look is http://www.arrl.org has classifieds (arrl member
>only can post)
>but anyone can read the ads.
>
>http://www.qth.com and http://www.eham.net also great places to research
>the things you
>need.
>
>The vfo is nice, if you like to work split or contests it is good to
have.
>
>Just keep looking, you may find one or two items that are local to you
for
>easy pickup.
>
>For tuneup, don't worry, just photocopy page # 22 in the manual and keep
it

>handy.
>
>Drive plate load easy to remember and do be sure to have a good dummy
>load,
>that makes a big difference on tuneups.
>
>I am sure others in the group will pass on additional info.
>
>73 James
>
>
>_____
>_____
>
>Message: 10
> Date: Thu, 29 Jan 2004 00:24:27 -0000
> From: "ka9vaa" <ka9vaa@...>
>Subject: 520-830 + Heathkit
>
>
>
>
>
>_____
>_____
>
>Message: 11
> Date: Thu, 29 Jan 2004 00:27:41 -0000
> From: "ka9vaa" <ka9vaa@...>
>Subject: 520-830 + Heathkit
>
>Has anyone tried using a heathkit sb-610 or sb-614 with a 520 or 830?
>
>I have a offer for a free 610 that works and a 614 not working.
>
>Just wonder if a 100 mile drive is worth it.
>
>Thanks for any comments.
>
>Tom
>
>
>
>
>
>_____
>_____
>
>Message: 12
> Date: Thu, 29 Jan 2004 03:19:25 -0000

> From: "Bob M" <baysideq@...>
>Subject: Re: different Aerial will it work HF
>
>Thanks adam,
>I'm looking at dipols but in a slightly different way..
>
>What if I were to run the wires along the Ridge caping tiles.
>
>I have two options one is in an L at 45-315deg magnetic then 2nd
>leg at 315 deg end 225 - 135deg magnetic.
>
> 17mtrs
> _______ NNE
> | x
>8mtrs |
> | x is aprox location of rig in house.
> ESE
>I may be able to extend each leg by 2-21/2mtrs running down the
>45deg Hip slope ____ at the end of each run.
> \
> \
>
>Then I would be able to Silicon the Coax to the ridge caping then
>run the feed in under a tile through the foil down to my rig with a
>swr/tuner.
>
>Has anyone tried this before??
>
>Regards Bob M.
>--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
>wrote:
> > At 09:51 PM 27/01/04, you wrote:
> > >I was looking into a loop but found that my roof has full foil
> > >sheeting under the tiles.. so I'm have a rethink.
> > >
> > >Regards
> > >Bob M.
> >
> > Hi Bob
> >
> > That foil in the roof would make a great ground plane for the
>vertical....
> > if the body corporate will let you put it on the roof that is.
> >
> > BTW there is nothing to say that a dipole or any other wire
>antenna should
> > be straight, you can run it anyway you like. Yes there may be some
> > degradation of the radiation pattern but this may not bother you
>if you can
> > work out which way the antenna favors and orient it to your

>preferred
> > direction. Just remember to keep the feed point as high as
>possible.
> >
> > I use and off centre fed dipole here, and it is in the shape of an
>over
> > bent U The legs point south and south west respectively. for 80m
>and 40m
> > there is no real change in pattern but on 20m and higher there is
>a
> > definite South Westerly benefit.
> >
> > 73
> >
> > Adam VK4KSS
> > Gecko free
> >
> > ----------
> >
> >
> > ---
> > Outgoing mail has been scanned for virus infection and is
>certified Virus Free by AVG Anti-Virus System
> > Checked by AVG anti-virus system (http://www.grisoft.com).
> > Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
> >
> >
> > [Non-text portions of this message have been removed]
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>
>Message: 13
> Date: Wed, 28 Jan 2004 19:36:47 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Re: different Aerial will it work HF
>
>If you have foil under the tiles this will not work. The antenna has to
be
>away from metal.
>
>Can you put it up under an eave, or along a (non-metallic) wall?
>
>b
>
>Bob M <baysideq@...> wrote:
>Thanks adam,
>I'm looking at dipols but in a slightly different way..

>
>What if I were to run the wires along the Ridge caping tiles.
>
>I have two options one is in an L at 45-315deg magnetic then 2nd
>leg at 315 deg end 225 - 135deg magnetic.
>
> 17mtrs
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> >
> >
> > [Non-text portions of this message have been removed]
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>---------------------------------
>Yahoo! Groups Links
>
> To visit your group on the web, go to:
>http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
>TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
>
>
>
>
>"If in doubt, MODIFY" --k0zl
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>Need a tech? See our website www.amateur-repairs.com
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>
>[Non-text portions of this message have been removed]
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>
>Message: 14
> Date: Thu, 29 Jan 2004 03:48:04 -0000
> From: "Bob M" <baysideq@...>
>Subject: Re: 530 Arrived
>
>
>
>Thanks Bill,
>
>I'd be interested in that mod for future reference..
>
>Regards
>Bob M.
>
>Steep learning curve
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
><coorsbill@y...> wrote:
> > Great, congratulations.
> >
> > Yes the SG switch is a great "grandkids" switch...
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> >
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> > > A couple of red faces from AR members... well at
> > > least we got to
> > > check out the inside tooo.
> > >
> > > 2 filters. moded for all chanel transmit. all clean
> > > and tidy..
> > >
> > > Well worth the wait and money..
> > >
> > > Regards

> > > Bob M.
> > >
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! SiteBuilder - Free web site building tool. Try it!
> > http://webhosting.yahoo.com/ps/sb/
>
>
>
>_____
>_____
>
>Message: 15
> Date: Wed, 28 Jan 2004 19:54:32 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: Re: 530 Arrived
>
>It involves re-routing the wire on the SG switch that goes to
the -110volt
>dc supply to the 250 volt screen supply; need to use a 2 watt
potentiometer
>to get just the right voltage on the screens, then you sub a fixed 5
watts
>resistor voltage divider.
>
>Don't have the exact wiring, it's been a while.
>
>To get QRP you can also "fool" the external ALC input to the rig (that
>would come from an amp) with a 9 volt battery and a pot, to reduce power.
>
>bill
>
>
>Bob M <baysideq@...> wrote:
>

>
>Thanks Bill,
>
>I'd be interested in that mod for future reference..
>
>Regards
>Bob M.
>
>Steep learning curve
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
><coorsbill@y...> wrote:
> > Great, congratulations.
> >
> > Yes the SG switch is a great "grandkids" switch...
> > Turn it off and they won't fry your finals by leaving
> > the rig in TX mode when you aren't looking.
> >
> > The SG circuit can be re-wired to allow QRP operation,
> > so that instead of shutting the finals clear off, it
> > cuts your output down somewhat, say to 3-5 watts.
> >
> > bill
> >
> > --- Bob M <baysideq@h...> wrote:
> > > Well my TS-530S arrived Yesterday, very nice clean
> > > unit.
> > >
> > > Hmmm ... No Mic.. what the ... (emailed sender
> > > forgot to put in box
> > > will mail today)
> > >
> > > Opened sprayed vary/caps and pots that are accesible
> > > with contact
> > > cleaner lightly cleaned dusted the inside and
> > > removed Fan and lubed
> > > and cleaned, Mild soap clean on outside of case...
> > > looks like new.
> > >
> > > Attached long wire for receive.... worried I'd blow
> > > something.. all
> > > worked heard Nuthin.... Hmmmm.
> > >
> > > Today Took it down the my AR club and we gave it a
> > > test.
> > > Everyone liked it's condition. Very impressed even
> > > in original
> > > Carton etc.
> > >
> > > Wired up old mic to plug .... Works ??

> > > Tested ok on receive tried to Transmitt...dah
> > > nuthin... Hmmm ,
> > > grumble look puzzeld. Open case all lookd good, drop
> > > botom of case,
> > > maybe some hair cracks around the Valve bases...
> > > resolder them,'
> > >
> > > Hmmm still no good , negative voltage on valve
> > > gate..... puzzled
> > > looks maybe tubes damaged in transit.... look
> > > schematic...Hmmm
> > > Switch in line.... ?? Light bulb?? ... remember book
> > > saying switch
> > > on back turn off for no transmitt,,,,,,,,
> > >
> > > Phew.... ok Good now it works..... read book see
> > > about switch....:)
> > >
> > > Contact made to test rig..... Malooabah Qld to
> > > Woollongong NSW..
> > > middle of the day about 1200 Klm's Good for first
> > > time..
> > >
> > > Good signal and voice both ways... Yahhhhhh....Sigh
> > > of releif.
> > >
> > > A couple of red faces from AR members... well at
> > > least we got to
> > > check out the inside tooo.
> > >
> > > 2 filters. moded for all chanel transmit. all clean
> > > and tidy..
> > >
> > > Well worth the wait and money..
> > >
> > > Regards
> > > Bob M.
> > >
> > >
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >

> >
> >
> >
> > _____
> > Do you Yahoo!?
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>
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>
>
>
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>---
>Do you Yahoo!?
>Yahoo! SiteBuilder - Free web site building tool. Try it!
>
>[Non-text portions of this message have been removed]
>
>
>
>_____
>_____
>
>
>
>
>---
>Yahoo! Groups Links
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>
>

_____
Check out the coupons and bargains on MSN Offers!
http://shopping.msn.com/softcontent/softcontent.aspx?scmId=1418

--
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[Non-text portions of this message have been removed]

1227. Re: [TS-520_820_530_830] TS-830S Scanned Schematic that is readable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-31 11:24:38 UTC
From: Bill K0ZL
Topic: 1225 Message: 1227

I don't know if my last post made it; yahoo very flaky today.

Schematic is being scanned now and I will put it up on RUBE, our FTP server. They are too large to send via email.

Please join this group to learn about RUBE and how to use it:

http://groups.yahoo.com/group/HAMFTP/

thanks

bill K0ZL

k7zs <k7zs@...> wrote:
Hello Group

Well, it wasn't worth the wait! The Service Manual on CD-ROM for the TS-830 from www.thecdguyz.com arrived today. The schematic is so poorly scanned that the critical reason for having it from service manual compared to the users manual is lost. The voltage check values for the transceiver are illegible. The schematic in the file section here is better, but still inadequate.

Has anybody had personal experience with W7FG's hard copy of the TS-830 service manual? It seems that 1 (mediocre) scan has propogated across the entire internet, and nobody has taken the time to do it right?

Anybody willing to scan just the schematic in the highest resolution possible and send it to me, or post it for the group??? I would be grateful!

Thanks and 73

-Kevin K7ZS

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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1228. Re: [TS-520_820_530_830] TS-830S Scanned Schematic that is readable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-31 11:29:50 UTC
From: ROB VAN DEN ENT
Topic: 1225 Message: 1228

Hi Kevin,

On www.mods.dk is a Service Manual ready for download.

Best 73
ROB
PE9PE

----- Original Message -----
From: k7zs
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, January 31, 2004 8:48 AM
Subject: [TS-520_820_530_830] TS-830S Scanned Schematic that is readable?

Hello Group

Well, it wasn't worth the wait! The Service Manual on CD-ROM for the TS-830 from www.thecdguyz.com arrived today. The schematic is so poorly scanned that the critical reason for having it from service manual compared to the users manual is lost. The voltage check values for the transceiver are illegible. The schematic in the file section here is better, but still inadequate.

Has anybody had personal experience with W7FG's hard copy of the TS-830 service manual? It seems that 1 (mediocre) scan has propogated across the entire internet, and nobody has taken the time to do it right?

Anybody willing to scan just the schematic in the highest resolution possible and send it to me, or post it for the group??? I would be grateful!

Thanks and 73

-Kevin K7ZS

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[Non-text portions of this message have been removed]

1229. Re: [TS-520_820_530_830] TS-830S Scanned Schematic that is readable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-01-31 14:26:23 UTC
From: Alan Wolke
Topic: 1225 Message: 1229

Kevin,

If you don't get a decent scan, I would definitely recommend a copy of the service manual from the ManualMan. His copies are always excellent - he takes a lot of pride in producing a reproduction manual that is every bit as good as the original. http://www.manualman.com

73,
Alan W2AEW

k7zs wrote:
>
> Hello Group
>
> Well, it wasn't worth the wait! The Service Manual on CD-ROM for the
> TS-830 from www.thecdguyz.com arrived today. The schematic is so
> poorly scanned that the critical reason for having it from service
> manual compared to the users manual is lost. The voltage check
> values for the transceiver are illegible. The schematic in the file
> section here is better, but still inadequate.
>
> Has anybody had personal experience with W7FG's hard copy of the TS-
> 830 service manual? It seems that 1 (mediocre) scan has propogated
> across the entire internet, and nobody has taken the time to do it
> right?
>
> Anybody willing to scan just the schematic in the highest resolution
> possible and send it to me, or post it for the group??? I would be
> grateful!
>
> Thanks and 73
>
> -Kevin K7ZS
>
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>
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> Service.

--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1230. TS-830S Scanned Schematic READABLE - YES!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 04:10:42 UTC
From: k7zs
Topic: 1225 Message: 1230

Bill, it is GREAT. I keep a computer on the workbench for looking things up etc., so with this you can zero in on what you want, it's in color (much easier to read). Thanks!

Printing it out on 8.5 x 11, though, pretty much destroys all that beautiful detail (at least it did on my old HP Laserjet).

Thanks for stepping up and doing this for the group!

73 Kevin K7ZS

p.s. I am certain it was not possible to scan the entire thing into one file, but if so for my purposes to be able to scroll through the entire thing would be great. I might try one of the 'stitching' programs to take these 4 files and make it into one super schematic!

If it works, I will post it to the HAMFTP group.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> I don't know if my last post made it; yahoo very flaky today.
>
> Schematic is being scanned now and I will put it up on RUBE, our
FTP server. They are too large to send via email.
>
> Please join this group to learn about RUBE and how to use it:
>
> http://groups.yahoo.com/group/HAMFTP/
>
> thanks
>
> bill K0ZL
>

1231. Re: [TS-520_820_530_830] TS-830S Scanned Schematic READABLE - YES!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 04:30:00 UTC
From: Bill K0ZL
Topic: 1225 Message: 1231

Glad to help, and glad you were able to navigate RUBE.

bill

k7zs <k7zs@...> wrote:
Bill, it is GREAT. I keep a computer on the workbench for looking things up etc., so with this you can zero in on what you want, it's in color (much easier to read). Thanks!

Printing it out on 8.5 x 11, though, pretty much destroys all that beautiful detail (at least it did on my old HP Laserjet).

Thanks for stepping up and doing this for the group!

73 Kevin K7ZS

p.s. I am certain it was not possible to scan the entire thing into one file, but if so for my purposes to be able to scroll through the entire thing would be great. I might try one of the 'stitching' programs to take these 4 files and make it into one super schematic!

If it works, I will post it to the HAMFTP group.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> I don't know if my last post made it; yahoo very flaky today.
>
> Schematic is being scanned now and I will put it up on RUBE, our
FTP server. They are too large to send via email.
>
> Please join this group to learn about RUBE and how to use it:
>
> http://groups.yahoo.com/group/HAMFTP/
>
> thanks
>
> bill K0ZL
>

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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1232. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 17:18:47 UTC
From: wa5jaw
Topic: 1201 Message: 1232

Bill,
I checked the 9VDC PS and when first turned on it reads 8.98V and after about and hour plus it reads 9.01V. In the process I did find a bad cable connecting the VFO-520S to the rig. Worst solder job I have ever seen!! Anyway I cleaned the rig and plugs on external VFO connection (dummy plug now inserted) and internal VFO connections and reassembled. The rig drifts down about 500HZ in the first hour of operation (after 1 min at turn on) and now in hour 3 it is still drifting down at 100HZ per 30 minutes. Guess that is within specs? Suppose in 4 or 5 hours it will stop going down? Anyway, I can set the rig on WWV at 15MHZ monitoring on MixW (waterfall) and it draws a straight line (assuming drift mentioned earlier). If I switch the function switch to Fix R and disconnect the 9V via that switch for 15 seconds and switch it back to VFO it is 100 HZ low, 30 seconds and it is 150HZ low (after returning to VFO it takes 1 min or longer for Rig to get back to frequency. Tried yesterday switching VFO on and off and the PS voltage remained constant. Looks like something is warming up and changing in the VFO. (External VFO does not do this!)
Well, comments would be appreciated.
Sam Allen WA5JAW

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> check the dc supply to the VFO, with good DVM, see if
> there is a ramp there.
>
> b
>
>
> --- wa5jaw <allensa03@p...> wrote:
> > Hello,
> > I need a little help with my TS-520 internal VFO.
> > My external VFO is very frequency stable but while
> > switching between
> > internal and external VFOs (both set to same freq
> > and stabilized) I
> > noticed that my internal VFO when switched on starts
> > up about 150-
> > 200HZ low and ramps to the orginal set frequency or
> > even higher after
> > about one minute. Watching it (WWV) on MixW in the
> > waterfall you can
> > see a definite ramp. The external VFO when switched
> > on is exactly on
> > frequency and requires no start up time to come to

> > frequency.
> > Sounds like a lazy oscillator to me, how about some
> > help. Has anyone
> > had such a problem their 520 VFOs?
> > Thanks for your comments,
> > Sam WA5JAW
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
>
>
> _____
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool. Try it!
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1233. ts520s cleaning/lube ..etc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 19:42:25 UTC
From: taephono
Topic: 1233 Message: 1233

This probably has been covered previously, but I don't seem to find a faq.
I'm looking for some general info on what connections/etc should be cleaned & lubed on a TS520s, this is my orig rig from 1977..getting up there in age, and nothing has been gone over or replaced previously, so I think before I put it on the air again I need to do some basic maintenaince on it ... any pointers/areas I should look at and pay attention to?
All info much appreciated.

73,
Clint

1234. TS830s extension feet?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 22:28:29 UTC
From: taephono
Topic: 1234 Message: 1234

Anyone have some extra of these or know where I can pickup
replacement feet for an 830s,
also extension front feet?

73,
Clint

1235. RE: [TS-520_820_530_830] Digest Number 315

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-01 22:29:27 UTC
From: Dave Greene
Topic: 1235 Message: 1235

Hi,

I just bought an old Heathkit SB-200 off eBay. I've never used an amp before.

Has anyone out there driven an SB-200 with a TS-830S? If so, how hard can I safely drive the linear from the 830 since 830's put out over 100W (the listed input for the SB-200 is 100W). Also, how exactly do I connect the ALC and relay connections up (where do I get connectors, cables, etc.??)

Also, how do I connect a scope to monitor the output of the linear for clipping, etc.??

On a seperate note, what type of connector is the external speaker conenctor on the back of an 830S? Where can I obtain one, and what is the impedance of that output?

tnx/Dave

>From: TS-520_820_530_830@yahoogroups.com
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Digest Number 315
>Date: 1 Feb 2004 04:39:23 -0000
>
>
>There are 6 messages in this issue.
>
>Topics in this digest:
>
> 1. RE: Digest Number 312
> From: "Walter Milton" <wjmilton@...>
> 2. Re: TS-830S Scanned Schematic that is readable?
> From: Bill K0ZL <coorsbill@...>
> 3. Re: TS-830S Scanned Schematic that is readable?
> From: "ROB VAN DEN ENT" <pe9pe.rob@...>
> 4. Re: TS-830S Scanned Schematic that is readable?
> From: Alan Wolke <w2aew@...>
> 5. TS-830S Scanned Schematic READABLE - YES!
> From: "k7zs" <k7zs@...>
> 6. Re: TS-830S Scanned Schematic READABLE - YES!
> From: Bill K0ZL <coorsbill@...>
>
>
>_____
>_____

>
>Message: 1
> Date: Fri, 30 Jan 2004 21:50:59 -0500
> From: "Walter Milton" <wjmilton@...>
>Subject: RE: Digest Number 312
>
>Dave,
>
>Yes the 230 is the correct one for the TS-830S. I purchased mine about two
>years ago for $250.00. I LOVE IT!!!
>
>Walt., KA2NJF
> -----Original Message-----
> From: Dave Greene [mailto:oneofthedawgs@...]
> Sent: Thursday, January 29, 2004 7:09 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: RE: [TS-520_820_530_830] Digest Number 312
>
>
> Hey All,
>
> I'm looking to buy the external VFO for my 830S. Is the VFO230 the
>correct
> one? If so, how much would a functioning VFO230, with interface cable,
>be
> worth?
>
> Thanks to Kyle, I am now thinking about expanding my old 830 which will
> cause the table in my shack to sag even more in the middle.
>
> Dave WW0W
>
>
> >From: TS-520_820_530_830@yahoogroups.com
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: [TS-520_820_530_830] Digest Number 312
> >Date: 29 Jan 2004 06:22:48 -0000
> >
> >
> >There are 15 messages in this issue.
> >
> >Topics in this digest:
> >
> > 1. RE: My TS-520
> > From: g4jbr@...
> > 2. Re: My TS-520
> > From: "au20061" <au2006@...>
> > 3. Re: My TS-520
> > From: Bill K0ZL <coorsbill@...>

> > 4. Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
> >ALC???
> > From: Bill K0ZL <coorsbill@...>
> > 5. Tubes, Caps, DVM....???
> > From: Phono-Guy <taephono@...>
> > 6. 530 Arrived
> > From: "Bob M" <baysideq@...>
> > 7. Re: Tubes, Caps, DVM....???
> > From: Bill K0ZL <coorsbill@...>
> > 8. Re: 530 Arrived
> > From: Bill K0ZL <coorsbill@...>
> > 9. Re: TS-520
> > From: james27613@...
> > 10. 520-830 + Heathkit
> > From: "ka9vaa" <ka9vaa@...>
> > 11. 520-830 + Heathkit
> > From: "ka9vaa" <ka9vaa@...>
> > 12. Re: different Aerial will it work HF
> > From: "Bob M" <baysideq@...>
> > 13. Re: Re: different Aerial will it work HF
> > From: Bill K0ZL <coorsbill@...>
> > 14. Re: 530 Arrived
> > From: "Bob M" <baysideq@...>
> > 15. Re: Re: 530 Arrived
> > From: Bill K0ZL <coorsbill@...>
> >
> >
>
> >_____
>
> >_____
> >
> >Message: 1
> > Date: Wed, 28 Jan 2004 03:32:00 -0500
> > From: g4jbr@...
> >Subject: RE: My TS-520
> >
> >hi, TRIO was KENWOOD before it became KENWOOD (there was a firm trading
>in
> >UK under the name of kenwood
> >pete g4jbr
> > >
> > >
> >
> >_____
> >New! Unlimited Netscape Internet Service.
> >Only $9.95 a month -- Sign up today at http://isp.netscape.com/register
> >Act now to get a personalized email address!
> >
> >Netscape. Just the Net You Need.

> >
> >
>
> >_____
>
> >_____
> >
> >Message: 2
> > Date: Wed, 28 Jan 2004 13:57:07 -0000
> > From: "au20061" <au2006@...>
> >Subject: Re: My TS-520
> >
> >Kyle...
> >
> >I will add my 2 cents worth. Go with the 520. The 520 is a great rig
> >and is very forgiving. You will not have any problem learning to tune
> >the transmitter. I would recomend that you go ahead and get a nice
> >tuner to match your antenna. I also like the tuner because you get a
> >positive indication of your output power.....this helps make tuning
> >easier and also helps diagnose antenna or rig problems. I believe you
> >also need a 50 ohm dummy load. This insures you are loading into the
> >proper match and again gives you a good reference to see that all is
> >working as it should.
> >
> >Use an antenna that is cut to your operating frequency if at all
> >possible. This makes tuning much easier in that you do not need the
> >tuner. If your antenna is not cut to frequency....load your
> >transmitter into the 50 dummy load to full power......then switch to
> >your antenna and adjust the tuner for minimum reflected power. You
> >can then check your swr.....if less than 3 to 1 you should be in good
> >shape. I have used this procedure for years...it is simple and it
> >works.
> >
> >You have the 520....give it a try.....you can always go to something
> >else if it doesn't work as you would like.
> >
> >You will need the MC50 mike. There are many listed on ebay....just
> >make sure you are buying from a ham who has a lot of good feedback
> >(selling ham equipment). I have bought tons of equipment on ebay with
> >a 99% satisfaction rate. The AT 200 is a good tuner but you can also
> >use the AT230. Those seem to be more plentiful. I would not worry
> >with the remote vfo yet. Wait till you get comfortable with the rig.
> >Remember, if you go down this road and it doesn't work out to your
> >satisfaction you can probably get rid of the equipment on ebay for
> >about what you have in it. In addition , you will have learned a
> >great deal about ham radio and equipment operation so your effort
> >will be well worth it.
> >
> >Good Luck...
> >

> >Tom K4KFN
> >
> >--- In TS-520_820_530_830@yahoogroups.com, "Kyle"
> ><cb750fsuperspor@w...> wrote:
> > > Hi group. New member here. To make a long story very short, I`ve
> >been sitting on a brand new TS-520 for the last twenty some years. I
> >never have been in a position to set up a ham shack, untill recently.
> >I also have no real HF experience, or any experience at all. Well
> >anyway I have been on a hard core search lately for a new HF rig and
> >the decisions are "killing me". For now I decided to follow the old
> >acronym K.I.S.S. (keep it simple stupid). Why buy a new hf rig when I
> >already own one?
> > > So I have decided to get my TS-520 on the air! To tell you the
> >truth I`m kinda scared of it, tuning procedures and all.
> > > Ya don`t have to do all that with a new radio. Anyway sometime in
> >March I will be moving into a house so I will be trying to get the TS
> >on the air asap.
> > > I do have the original manual that came the radio, so it should be
> >easy to follow the tuning steps?
> > > There are a couple of things that I would really like to find to
> >complete my TS-520 station. Don`t say e bay, I`ve been watching. I
> >would like to find a AT-200 tuner. There is one on ebay right now but
> >it`s in England and it`s called a TRIO kenwood AT-200. What`s a Trio?
> >Does anybody have a better place for me to look for a AT-200? Also
> >would like a CW filter YG-3395C, MC-50 mike. Don`t think I would need
> >it but wouldn`t hesitate to buy a VFO-520 either. I already have the
> >SP-520. I just think it would be great to have the full line of the
> >TS-520 gear.
> > > Hope I don`t sound stupid or sound to pushy. I`m running out of
> >ideas to find the equipment I want, and I ain`t buying no mfj tuner
> >either.LoL (I might have to) Thanks for any replies and suggestions.
> >73`s Kyle n0mkh
> >
> >
> >
>
> >_____
>
> >_____
> >
> >Message: 3
> > Date: Wed, 28 Jan 2004 07:03:29 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: My TS-520
> >
> >Kyle, I would start with a resonant antenna, so you
> >don't need a tuner. Tuners just complicate things,
> >esp. with tube rigs.
> >
> >By all means, collect the whole set!

> >
> >I think you do need a good solid state rig too, one
> >that is portable for field day or camping and what
> >not.
> >
> >bill
> >
> >--- Kyle <cb750fsuperspor@...> wrote:
> > > Hi group. New member here. To make a long story very
> > > short, I`ve been sitting on a brand new TS-520 for
> > > the last twenty some years. I never have been in a
> > > position to set up a ham shack, untill recently. I
> > > also have no real HF experience, or any experience
> > > at all. Well anyway I have been on a hard core
> > > search lately for a new HF rig and the decisions are
> > > "killing me". For now I decided to follow the old
> > > acronym K.I.S.S. (keep it simple stupid). Why buy a
> > > new hf rig when I already own one?
> > > So I have decided to get my TS-520 on the air! To
> > > tell you the truth I`m kinda scared of it, tuning
> > > procedures and all.
> > > Ya don`t have to do all that with a new radio.
> > > Anyway sometime in March I will be moving into a
> > > house so I will be trying to get the TS on the air
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> > > so it should be easy to follow the tuning steps?
> > > There are a couple of things that I would really
> > > like to find to complete my TS-520 station. Don`t
> > > say e bay, I`ve been watching. I would like to find
> > > a AT-200 tuner. There is one on ebay right now but
> > > it`s in England and it`s called a TRIO kenwood
> > > AT-200. What`s a Trio? Does anybody have a better
> > > place for me to look for a AT-200? Also would like a
> > > CW filter YG-3395C, MC-50 mike. Don`t think I would
> > > need it but wouldn`t hesitate to buy a VFO-520
> > > either. I already have the SP-520. I just think it
> > > would be great to have the full line of the TS-520
> > > gear.
> > > Hope I don`t sound stupid or sound to pushy. I`m
> > > running out of ideas to find the equipment I want,
> > > and I ain`t buying no mfj tuner either.LoL (I might
> > > have to) Thanks for any replies and suggestions.
> > > 73`s Kyle n0mkh
> > >
> > >
> >
> >
> >=====
> >

> >"If in doubt, MODIFY" --k0zl
> >
> >Need a tech? See our website www.amateur-repairs.com
> >
> >
> >
> >
> >_____________________________________
> >Do you Yahoo!?
> >Yahoo! SiteBuilder - Free web site building tool. Try it!
> >http://webhosting.yahoo.com/ps/sb/
> >
> >
>
> >____
>
> >____
> >
> >Message: 4
> > Date: Wed, 28 Jan 2004 07:06:08 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: TS-830s w/No Driver Tube, w/Heater OFF, Carrier CCW -FULL
> >ALC???
> >
> >Guessing leaky capacitor coming of the grid circuit,
> >perhaps.
> >
> >remind me to look at my schems when I get home today..
> >
> >b
> >
> >--- k7zs <k7zs@...> wrote:
> > > Hello Again. Maybe this will resonate with someone?
> > >
> > > Everything in this radio seems right, except for the
> > > ALC function
> > > (and low power output. New driver tubes coming)
> > > Finals will draw
> > > 200ma plus adjusting the bias control so finals seem
> > > fine)
> > >
> > > Just for kicks, thought I would check to see if the
> > > ALC FULL SCALE
> > > with NO CARRIER would still happen with the driver
> > > tube removed, and
> > > the heater switch OFF. Carrier all the way off in
> > > CW mode.
> > >
> > > Yep, ALC meter still pegs on SEND.
> > >

> > > Any clues where I should look next?
> > >
> > > Thanks!
> > >
> > > -Kevin K7ZS
> > >
> > >
> > >
> > >
> >
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >
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> >
> >
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> >
> >_________________________________
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> >http://webhosting.yahoo.com/ps/sb/
> >
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> >____
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> >____
> >
> >Message: 5
> > Date: Wed, 28 Jan 2004 07:14:49 -0800 (PST)
> > From: Phono-Guy <taephono@...>
> >Subject: Tubes, Caps, DVM....???
> >
> >Hi all,
> >
> >Has I start putting my station back together after a 6 year hiatus ...
> >I've really enjoyed reading the mail on this group .... all sorts of
>good
> >information shared ...!!!
> >
> >Now I have a couple questions ....
> >
> >I would like to pick up a few sets of final tubes & drivers.... what
>does
> >"matched tubes" signify?
> >
> >Any reccomendation on a good distributor for these tubes, what brands

> >should I avoid?
> >
> >
> >I'm looking for a good DVM ... I've always thought the Fluke meters
>were
> >good quality ...
> >
> >can anyone reccomend a good model, and where I should buy from.??
> >
> >Thanks for all comments & replies,
> >
> >73,
> >
> >Clint
> >
> >WS1V
> >
> >
> >
> >
> >
> >
> >---------------------------------
> >Do you Yahoo!?
> >Yahoo! SiteBuilder - Free web site building tool. Try it!
> >
> >[Non-text portions of this message have been removed]
> >
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> >
>
> >____
>
> >____
> >
> >Message: 6
> > Date: Wed, 28 Jan 2004 15:46:52 -0000
> > From: "Bob M" <baysideq@...>
> >Subject: 530 Arrived
> >
> >Well my TS-530S arrived Yesterday, very nice clean unit.
> >
> >Hmmm ... No Mic.. what the ... (emailed sender forgot to put in box
> >will mail today)
> >
> >Opened sprayed vary/caps and pots that are accesible with contact
> >cleaner lightly cleaned dusted the inside and removed Fan and lubed
> >and cleaned, Mild soap clean on outside of case... looks like new.
> >
> >Attached long wire for receive.... worried I'd blow something.. all

> >worked heard Nuthin.... Hmmmm.
> >
> >Today Took it down the my AR club and we gave it a test.
> >Everyone liked it's condition. Very impressed even in original
> >Carton etc.
> >
> >Wired up old mic to plug .... Works ??
> >Tested ok on receive tried to Transmitt...dah nuthin... Hmmm ,
> >grumble look puzzeld. Open case all lookd good, drop botom of case,
> >maybe some hair cracks around the Valve bases... resolder them,'
> >
> >Hmmm still no good , negative voltage on valve gate..... puzzled
> >looks maybe tubes damaged in transit.... look schematic...Hmmm
> >Switch in line.... ?? Light bulb?? ... remember book saying switch
> >on back turn off for no transmitt,,,,,,,,
> >
> >Phew.... ok Good now it works..... read book see about switch....:)
> >
> >Contact made to test rig..... Malooabah Qld to Woollongong NSW..
> >middle of the day about 1200 Klm's Good for first time..
> >
> >Good signal and voice both ways... Yahhhhhh....Sigh of releif.
> >
> >A couple of red faces from AR members... well at least we got to
> >check out the inside tooo.
> >
> >2 filters. moded for all chanel transmit. all clean and tidy..
> >
> >Well worth the wait and money..
> >
> >Regards
> >Bob M.
> >
> >
> >
> >
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> >
> >
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> >_____
>
> >_____
> >
> >Message: 7
> > Date: Wed, 28 Jan 2004 09:51:43 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: Tubes, Caps, DVM....???
> >
> >Any of the Fluke 70 or 80 series will work fine for
> >you. I am happy with my 73 and 77 meters, both are

> >great and seemingly bullet-proof.
> >
> >GE 6146B are the only way to go. If you can find 4 or
> >5 NIB or NOS (new in box, or new old stock, i.e.
> >unused), get them. Don't worry about the matching...
> >tubes match themselves if you have same manufacturer
> >in there. They are in parallel, not push-pull so
> >matching not important.
> >
> >Just don't mix a used tube with a new one!
> >
> >12BY7, any manuf, prefer GE, used OK as long as the
> >output holds up. Get several; if you find one that is
> >unstable, dont' toss it.. save for another rig, may
> >work just fine.
> >
> >bill
> >
> >--- Phono-Guy <taephono@...> wrote:
> > > Hi all,
> > >
> > > Has I start putting my station back together after a
> > > 6 year hiatus ...
> > > I've really enjoyed reading the mail on this group
> > > .... all sorts of good information shared ...!!!
> > >
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> > >
> > > Any reccomendation on a good distributor for these
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> > >
> > >
> > > I'm looking for a good DVM ... I've always thought
> > > the Fluke meters were good quality ...
> > >
> > > can anyone reccomend a good model, and where I
> > > should buy from.??
> > >
> > > Thanks for all comments & replies,
> > >
> > > 73,
> > >
> > > Clint
> > >
> > > WS1V
> > >
> > >

> > >
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> > >
> > > ---------------------------------
> > > Do you Yahoo!?
> > > Yahoo! SiteBuilder - Free web site building tool.
> > > Try it!
> > >
> > > [Non-text portions of this message have been
> > > removed]
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> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >
> >Need a tech? See our website www.amateur-repairs.com
> >
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> >
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> >
> >Message: 8
> > Date: Wed, 28 Jan 2004 10:11:12 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: 530 Arrived
> >
> >Great, congratulations.
> >
> >Yes the SG switch is a great "grandkids" switch...
> >Turn it off and they won't fry your finals by leaving
> >the rig in TX mode when you aren't looking.
> >
> >The SG circuit can be re-wired to allow QRP operation,
> >so that instead of shutting the finals clear off, it
> >cuts your output down somewhat, say to 3-5 watts.
> >

> >bill
> >
> >--- Bob M <baysideq@...> wrote:
> > > Well my TS-530S arrived Yesterday, very nice clean
> > > unit.
> > >
> > > Hmmm ... No Mic.. what the ... (emailed sender
> > > forgot to put in box
> > > will mail today)
> > >
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> > > something.. all
> > > worked heard Nuthin.... Hmmmm.
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> > > Today Took it down the my AR club and we gave it a
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> > > Everyone liked it's condition. Very impressed even
> > > in original
> > > Carton etc.
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> > > Tested ok on receive tried to Transmitt...dah
> > > nuthin... Hmmm ,
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> > > resolder them,'
> > >
> > > Hmmm still no good , negative voltage on valve
> > > gate..... puzzled
> > > looks maybe tubes damaged in transit.... look
> > > schematic...Hmmm
> > > Switch in line.... ?? Light bulb?? ... remember book
> > > saying switch
> > > on back turn off for no transmitt,,,,,,,,
> > >
> > > Phew.... ok Good now it works..... read book see
> > > about switch....:)
> > >
> > > Contact made to test rig..... Malooabah Qld to
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> > > middle of the day about 1200 Klm's Good for first
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> > >
> > >
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> >
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> >____
> >
> >Message: 9
> > Date: Wed, 28 Jan 2004 18:56:17 +0000
> > From: james27613@...
> >Subject: Re: TS-520
> >
> >hi kyle,
> >
> >Good idea to keep what you have, you can always move up to a newer

>radio
> >should your
> >needs change, the 520 is also a great radio for backup use.
> >
> >Did you know you can setup a search in ebay to email you if an item you
>are
> >looking for
> >shows up ? I've gotten all my geat that way and sold some things to
>pay
> >for it all too.
> >
> >Another place to look is http://www.arrl.org has classifieds (arrl
>member
> >only can post)
> >but anyone can read the ads.
> >
> >http://www.qth.com and http://www.eham.net also great places to
>research
> >the things you
> >need.
> >
> >The vfo is nice, if you like to work split or contests it is good to
>have.
> >
> >Just keep looking, you may find one or two items that are local to you
>for
> >easy pickup.
> >
> >For tuneup, don't worry, just photocopy page # 22 in the manual and
>keep
>it
> >handy.
> >
> >Drive plate load easy to remember and do be sure to have a good
>dummy
> >load,
> >that makes a big difference on tuneups.
> >
> >I am sure others in the group will pass on additional info.
> >
> >73 James
> >
> >
>
> >_____
>
> >_____
> >
> >Message: 10
> > Date: Thu, 29 Jan 2004 00:24:27 -0000

> > From: "ka9vaa" <ka9vaa@...>
> >Subject: 520-830 + Heathkit
> >
> >
> >
> >
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>
> >_____
>
> >_____
> >
> >Message: 11
> > Date: Thu, 29 Jan 2004 00:27:41 -0000
> > From: "ka9vaa" <ka9vaa@...>
> >Subject: 520-830 + Heathkit
> >
> >Has anyone tried using a heathkit sb-610 or sb-614 with a 520 or 830?
> >
> >I have a offer for a free 610 that works and a 614 not working.
> >
> >Just wonder if a 100 mile drive is worth it.
> >
> >Thanks for any comments.
> >
> >Tom
> >
> >
> >
> >
> >
>
> >_____
>
> >_____
> >
> >Message: 12
> > Date: Thu, 29 Jan 2004 03:19:25 -0000
> > From: "Bob M" <baysideq@...>
> >Subject: Re: different Aerial will it work HF
> >
> >Thanks adam,
> >I'm looking at dipols but in a slightly different way..
> >
> >What if I were to run the wires along the Ridge caping tiles.
> >
> >I have two options one is in an L at 45-315deg magnetic then 2nd
> >leg at 315 deg end 225 - 135deg magnetic.
> >
> > 17mtrs

> > _______ NNE
> > | x
> >8mtrs |
> > | x is aprox location of rig in house.
> > ESE
> >I may be able to extend each leg by 2-21/2mtrs running down the
> >45deg Hip slope ____ at the end of each run.
> > \
> > \
> >
> >Then I would be able to Silicon the Coax to the ridge caping then
> >run the feed in under a tile through the foil down to my rig with a
> >swr/tuner.
> >
> >Has anyone tried this before??
> >
> >Regards Bob M.
> >--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
> >wrote:
> > > At 09:51 PM 27/01/04, you wrote:
> > > >I was looking into a loop but found that my roof has full foil
> > > >sheeting under the tiles.. so I'm have a rethink.
> > > >
> > > >Regards
> > > >Bob M.
> > >
> > > Hi Bob
> > >
> > > That foil in the roof would make a great ground plane for the
> >vertical....
> > > if the body corporate will let you put it on the roof that is.
> > >
> > > BTW there is nothing to say that a dipole or any other wire
> >antenna should
> > > be straight, you can run it anyway you like. Yes there may be some
> > > degradation of the radiation pattern but this may not bother you
> >if you can
> > > work out which way the antenna favors and orient it to your
> >preferred
> > > direction. Just remember to keep the feed point as high as
> >possible.
> > >
> > > I use and off centre fed dipole here, and it is in the shape of an
> >over
> > > bent U The legs point south and south west respectively. for 80m
> >and 40m
> > > there is no real change in pattern but on 20m and higher there is
> >a
> > > definite South Westerly benefit.
> > >

> > > 73
> > >
> > > Adam VK4KSS
> > > Gecko free
> > >
> > > ----------
> > >
> > >
> > > ---
> > > Outgoing mail has been scanned for virus infection and is
> >certified Virus Free by AVG Anti-Virus System
> > > Checked by AVG anti-virus system (http://www.grisoft.com).
> > > Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> >_____
>
> >_____
> >
> >Message: 13
> > Date: Wed, 28 Jan 2004 19:36:47 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: Re: different Aerial will it work HF
> >
> >If you have foil under the tiles this will not work. The antenna has to
>be
> >away from metal.
> >
> >Can you put it up under an eave, or along a (non-metallic) wall?
> >
> >b
> >
> >Bob M <baysideq@...> wrote:
> >Thanks adam,
> >I'm looking at dipols but in a slightly different way..
> >
> >What if I were to run the wires along the Ridge caping tiles.
> >
> >I have two options one is in an L at 45-315deg magnetic then 2nd
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> > _______ NNE
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> >8mtrs |

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> > > there is no real change in pattern but on 20m and higher there is
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> > > definite South Westerly benefit.
> > >
> > > 73
> > >
> > > Adam VK4KSS

> > > Gecko free
> > >
> > > ----------
> > >
> > >
> > > ---
> > > Outgoing mail has been scanned for virus infection and is
> >certified Virus Free by AVG Anti-Virus System
> > > Checked by AVG anti-virus system (http://www.grisoft.com).
> > > Version: 6.0.571 / Virus Database: 361 - Release Date: 26/01/04
> > >
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> > > [Non-text portions of this message have been removed]
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> >
> >"If in doubt, MODIFY" --k0zl
> >
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> >[Non-text portions of this message have been removed]
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> >
> >Message: 14
> > Date: Thu, 29 Jan 2004 03:48:04 -0000
> > From: "Bob M" <baysideq@...>
> >Subject: Re: 530 Arrived
> >
> >
> >
> >Thanks Bill,
> >
> >I'd be interested in that mod for future reference..
> >
> >Regards
> >Bob M.
> >
> >Steep learning curve
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> ><coorsbill@y...> wrote:
> > > Great, congratulations.
> > >
> > > Yes the SG switch is a great "grandkids" switch...
> > > Turn it off and they won't fry your finals by leaving
> > > the rig in TX mode when you aren't looking.
> > >
> > > The SG circuit can be re-wired to allow QRP operation,
> > > so that instead of shutting the finals clear off, it
> > > cuts your output down somewhat, say to 3-5 watts.
> > >
> > > bill
> > >
> > > --- Bob M <baysideq@h...> wrote:
> > > > Well my TS-530S arrived Yesterday, very nice clean
> > > > unit.
> > > >
> > > > Hmmm ... No Mic.. what the ... (emailed sender
> > > > forgot to put in box
> > > > will mail today)
> > > >
> > > > Opened sprayed vary/caps and pots that are accesible
> > > > with contact
> > > > cleaner lightly cleaned dusted the inside and
> > > > removed Fan and lubed
> > > > and cleaned, Mild soap clean on outside of case...
> > > > looks like new.
> > > >
> > > > Attached long wire for receive.... worried I'd blow
> > > > something.. all
> > > > worked heard Nuthin.... Hmmmm.
> > > >

> > > > Today Took it down the my AR club and we gave it a
> > > > test.
> > > > Everyone liked it's condition. Very impressed even
> > > > in original
> > > > Carton etc.
> > > >
> > > > Wired up old mic to plug .... Works ??
> > > > Tested ok on receive tried to Transmitt...dah
> > > > nuthin... Hmmm ,
> > > > grumble look puzzeld. Open case all lookd good, drop
> > > > botom of case,
> > > > maybe some hair cracks around the Valve bases...
> > > > resolder them,'
> > > >
> > > > Hmmm still no good , negative voltage on valve
> > > > gate..... puzzled
> > > > looks maybe tubes damaged in transit.... look
> > > > schematic...Hmmm
> > > > Switch in line.... ?? Light bulb?? ... remember book
> > > > saying switch
> > > > on back turn off for no transmitt,,,,,,,,
> > > >
> > > > Phew.... ok Good now it works..... read book see
> > > > about switch....:)
> > > >
> > > > Contact made to test rig..... Malooabah Qld to
> > > > Woollongong NSW..
> > > > middle of the day about 1200 Klm's Good for first
> > > > time..
> > > >
> > > > Good signal and voice both ways... Yahhhhhh....Sigh
> > > > of releif.
> > > >
> > > > A couple of red faces from AR members... well at
> > > > least we got to
> > > > check out the inside tooo.
> > > >
> > > > 2 filters. moded for all chanel transmit. all clean
> > > > and tidy..
> > > >
> > > > Well worth the wait and money..
> > > >
> > > > Regards
> > > > Bob M.
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > >

> > >
> > > =====
> > >
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> > >
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> >
> >Message: 15
> > Date: Wed, 28 Jan 2004 19:54:32 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: Re: 530 Arrived
> >
> >It involves re-routing the wire on the SG switch that goes to
>the -110volt
> >dc supply to the 250 volt screen supply; need to use a 2 watt
>potentiometer
> >to get just the right voltage on the screens, then you sub a fixed 5
>watts
> >resistor voltage divider.
> >
> >Don't have the exact wiring, it's been a while.
> >
> >To get QRP you can also "fool" the external ALC input to the rig (that
> >would come from an amp) with a 9 volt battery and a pot, to reduce
>power.
> >
> >bill
> >
> >
> >Bob M <baysideq@...> wrote:
> >
> >
> >Thanks Bill,
> >
> >I'd be interested in that mod for future reference..

> >
> >Regards
> >Bob M.
> >
> >Steep learning curve
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> ><coorsbill@y...> wrote:
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> > >
> > > Yes the SG switch is a great "grandkids" switch...
> > > Turn it off and they won't fry your finals by leaving
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> > > The SG circuit can be re-wired to allow QRP operation,
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> > >
> > > bill
> > >
> > > --- Bob M <baysideq@h...> wrote:
> > > > Well my TS-530S arrived Yesterday, very nice clean
> > > > unit.
> > > >
> > > > Hmmm ... No Mic.. what the ... (emailed sender
> > > > forgot to put in box
> > > > will mail today)
> > > >
> > > > Opened sprayed vary/caps and pots that are accesible
> > > > with contact
> > > > cleaner lightly cleaned dusted the inside and
> > > > removed Fan and lubed
> > > > and cleaned, Mild soap clean on outside of case...
> > > > looks like new.
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> > > > Attached long wire for receive.... worried I'd blow
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> > > > worked heard Nuthin.... Hmmmm.
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> > > > Today Took it down the my AR club and we gave it a
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> > > > Carton etc.
> > > >
> > > > Wired up old mic to plug .... Works ??
> > > > Tested ok on receive tried to Transmitt...dah
> > > > nuthin... Hmmm ,
> > > > grumble look puzzeld. Open case all lookd good, drop
> > > > botom of case,

> > > > maybe some hair cracks around the Valve bases...
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> > > > Hmmm still no good , negative voltage on valve
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> > > > looks maybe tubes damaged in transit.... look
> > > > schematic...Hmmm
> > > > Switch in line.... ?? Light bulb?? ... remember book
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> > > > on back turn off for no transmitt,,,,,,,,
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> > > > Phew.... ok Good now it works..... read book see
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> > > >
> > > > Contact made to test rig..... Malooabah Qld to
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> > > > middle of the day about 1200 Klm's Good for first
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> > > >
> > > > Good signal and voice both ways... Yahhhhhh....Sigh
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> > > > Bob M.
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> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
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>
>Message: 2
> Date: Sat, 31 Jan 2004 03:24:38 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: TS-830S Scanned Schematic that is readable?
>
>I don't know if my last post made it; yahoo very flaky today.
>

>Schematic is being scanned now and I will put it up on RUBE, our FTP
>server. They are too large to send via email.
>
>Please join this group to learn about RUBE and how to use it:
>
>http://groups.yahoo.com/group/HAMFTP/
>
>thanks
>
>bill K0ZL
>
>k7zs <k7zs@...> wrote:
>Hello Group
>
>Well, it wasn't worth the wait! The Service Manual on CD-ROM for the
>TS-830 from www.thecdguyz.com arrived today. The schematic is so
>poorly scanned that the critical reason for having it from service
>manual compared to the users manual is lost. The voltage check
>values for the transceiver are illegible. The schematic in the file
>section here is better, but still inadequate.
>
>Has anybody had personal experience with W7FG's hard copy of the TS-
>830 service manual? It seems that 1 (mediocre) scan has propogated
>across the entire internet, and nobody has taken the time to do it
>right?
>
>Anybody willing to scan just the schematic in the highest resolution
>possible and send it to me, or post it for the group??? I would be
>grateful!
>
>Thanks and 73
>
>-Kevin K7ZS
>
>
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>
>"If in doubt, MODIFY" --k0zl
>
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>Message: 3
> Date: Sat, 31 Jan 2004 12:29:50 +0100
> From: "ROB VAN DEN ENT" <pe9pe.rob@...>
>Subject: Re: TS-830S Scanned Schematic that is readable?
>
>Hi Kevin,
>
>On www.mods.dk is a Service Manual ready for download.
>
>Best 73
>ROB
>PE9PE
>
> ----- Original Message -----
> From: k7zs
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, January 31, 2004 8:48 AM
> Subject: [TS-520_820_530_830] TS-830S Scanned Schematic that is
>readable?
>
>
> Hello Group
>
> Well, it wasn't worth the wait! The Service Manual on CD-ROM for the
> TS-830 from www.thecdguyz.com arrived today. The schematic is so
> poorly scanned that the critical reason for having it from service
> manual compared to the users manual is lost. The voltage check
> values for the transceiver are illegible. The schematic in the file
> section here is better, but still inadequate.

>
> Has anybody had personal experience with W7FG's hard copy of the TS-
> 830 service manual? It seems that 1 (mediocre) scan has propogated
> across the entire internet, and nobody has taken the time to do it
> right?
>
> Anybody willing to scan just the schematic in the highest resolution
> possible and send it to me, or post it for the group??? I would be
> grateful!
>
> Thanks and 73
>
> -Kevin K7ZS
>
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>Message: 4
> Date: Sat, 31 Jan 2004 09:26:23 -0500
> From: Alan Wolke <w2aew@...>
>Subject: Re: TS-830S Scanned Schematic that is readable?
>
>Kevin,

>
>If you don't get a decent scan, I would definitely recommend a copy of
>the service manual from the ManualMan. His copies are always excellent
>- he takes a lot of pride in producing a reproduction manual that is
>every bit as good as the original. http://www.manualman.com
>
>73,
>Alan W2AEW
>
>k7zs wrote:
> >
> > Hello Group
> >
> > Well, it wasn't worth the wait! The Service Manual on CD-ROM for the
> > TS-830 from www.thecdguyz.com arrived today. The schematic is so
> > poorly scanned that the critical reason for having it from service
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> >
> > Thanks and 73
> >
> > -Kevin K7ZS
> >
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>

>--
>Alan Wolke, W2AEW
>"i usta cuDn't speL enjinere, noW i ar wuN"
>
>
>_____
>_____
>
>Message: 5
> Date: Sun, 01 Feb 2004 04:10:42 -0000
> From: "k7zs" <k7zs@...>
>Subject: TS-830S Scanned Schematic READABLE - YES!
>
>Bill, it is GREAT. I keep a computer on the workbench for looking
>things up etc., so with this you can zero in on what you want, it's
>in color (much easier to read). Thanks!
>
>Printing it out on 8.5 x 11, though, pretty much destroys all that
>beautiful detail (at least it did on my old HP Laserjet).
>
>Thanks for stepping up and doing this for the group!
>
>73 Kevin K7ZS
>
>p.s. I am certain it was not possible to scan the entire thing into
>one file, but if so for my purposes to be able to scroll through the
>entire thing would be great. I might try one of the 'stitching'
>programs to take these 4 files and make it into one super schematic!
>
>If it works, I will post it to the HAMFTP group.
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
>wrote:
> > I don't know if my last post made it; yahoo very flaky today.
> >
> > Schematic is being scanned now and I will put it up on RUBE, our
>FTP server. They are too large to send via email.
> >
> > Please join this group to learn about RUBE and how to use it:
> >
> > http://groups.yahoo.com/group/HAMFTP/
> >
> > thanks
> >
> > bill K0ZL
> >
>
>
>
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>
>Message: 6
> Date: Sat, 31 Jan 2004 20:30:00 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: Re: TS-830S Scanned Schematic READABLE - YES!
>
>Glad to help, and glad you were able to navigate RUBE.
>
>bill
>
>k7zs <k7zs@...> wrote:
>Bill, it is GREAT. I keep a computer on the workbench for looking
>things up etc., so with this you can zero in on what you want, it's
>in color (much easier to read). Thanks!
>
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> >
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1236. Re: [TS-520_820_530_830] Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-02 13:46:18 UTC
From: Bill K0ZL
Topic: 1201 Message: 1236

Don't know if the VFO has a temp compensating scheme, as in the FT-101, have never had to use it. This amt of drift that you mention is uncharacteristic. Did you clean the wiper on the VFO cap?

Also try re-soldering the connections (any other than the PC board connections) inside the VFO to "relax" the wire tension. I have used this several times and gotten big improvements in the Swan, Heathkit and Yaesu VFOs.

b

wa5jaw <allensa03@...> wrote:
Bill,
I checked the 9VDC PS and when first turned on it reads 8.98V and after about and hour plus it reads 9.01V. In the process I did find a bad cable connecting the VFO-520S to the rig. Worst solder job I have ever seen!! Anyway I cleaned the rig and plugs on external VFO connection (dummy plug now inserted) and internal VFO connections and reassembled. The rig drifts down about 500HZ in the first hour of operation (after 1 min at turn on) and now in hour 3 it is still drifting down at 100HZ per 30 minutes. Guess that is within specs? Suppose in 4 or 5 hours it will stop going down? Anyway, I can set the rig on WWV at 15MHZ monitoring on MixW (waterfall) and it draws a straight line (assuming drift mentioned earlier). If I switch the function switch to Fix R and disconnect the 9V via that switch for 15 seconds and switch it back to VFO it is 100 HZ low, 30 seconds and it is 150HZ low (after returning to VFO it takes 1 min or longer for Rig to get back to frequency. Tried yesterday switching VFO on and off and the PS voltage remained constant. Looks like something is warming up and changing in the VFO. (External VFO does not do this!)
Well, comments would be appreciated.
Sam Allen WA5JAW

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> check the dc supply to the VFO, with good DVM, see if
> there is a ramp there.
>
> b
>
>
> --- wa5jaw <allensa03@p...> wrote:
> > Hello,
> > I need a little help with my TS-520 internal VFO.
> > My external VFO is very frequency stable but while
> > switching between
> > internal and external VFOs (both set to same freq

> > and stabilized) I
> > noticed that my internal VFO when switched on starts
> > up about 150-
> > 200HZ low and ramps to the orginal set frequency or
> > even higher after
> > about one minute. Watching it (WWV) on MixW in the
> > waterfall you can
> > see a definite ramp. The external VFO when switched
> > on is exactly on
> > frequency and requires no start up time to come to
> > frequency.
> > Sounds like a lazy oscillator to me, how about some
> > help. Has anyone
> > had such a problem their 520 VFOs?
> > Thanks for your comments,
> > Sam WA5JAW
> >
> >
> >
> >
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>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
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> _____
> Do you Yahoo!?
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> http://webhosting.yahoo.com/ps/sb/

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1237. Re: [TS-520_820_530_830] ts520s cleaning/lube ..etc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-02 13:52:28 UTC
From: Bill K0ZL
Topic: 1233 Message: 1237

clint, put a drop of oil on the VFO shaft; blow out the PA cage with some compressed air, and remove the fan and inject couple of drops-worth of oil into the bearing oil holes on each end of the rotor housing... that's about it.

If you have noisy controls, use some Cailube or DeOxIt but only on the controls that need it.

If your VFO is smoothly tuning the entire band (any band; use the CAL on a dummy load to hear it better), then don't mess with it.

B

taephono <taephono@...> wrote:
This probably has been covered previously, but I don't seem to find
a faq.
I'm looking for some general info on what connections/etc should be
cleaned & lubed on a TS520s, this is my orig rig from 1977..getting
up there in age, and nothing has been gone over or replaced
previously, so I think before I put it on the air again I need to do
some basic maintenaince on it ... any pointers/areas I should look at
and pay attention to?
All info much appreciated.

73,
Clint

Yahoo! Groups Links

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http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
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[Non-text portions of this message have been removed]

1238. Re: [TS-520_820_530_830] ts520s cleaning/lube ..etc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-02 13:53:04 UTC
From: Bill K0ZL
Topic: 1233 Message: 1238

Anyone wanna write an FAQ?

M'soft Word would be best. I have Adobe so I can convert to PDF.

b

taephono <taephono@...> wrote:
This probably has been covered previously, but I don't seem to find
a faq.
I'm looking for some general info on what connections/etc should be
cleaned & lubed on a TS520s, this is my orig rig from 1977..getting
up there in age, and nothing has been gone over or replaced
previously, so I think before I put it on the air again I need to do
some basic maintenaince on it ... any pointers/areas I should look at
and pay attention to?
All info much appreciated.

73,
Clint

Yahoo! Groups Links

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1239. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-02 22:34:52 UTC
From: wa5jaw
Topic: 1201 Message: 1239

Bill,
I have an external VFO that appears not to have the drift problem. I will test it out completely and replace the internal VFO with the external VFO. I can then take my seeet time and analyze the drifting unit at my leasure. I have cleaned the wipers on both the internal and external VFO tuning caps and I will check all the solder joints.

Thanks,
Sam WA5JAW

1240. Re: [TS-520_820_530_830] Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 02:58:49 UTC
From: Bill K0ZL
Topic: 1201 Message: 1240

OK Sam.

Might be a bad FET also! Those things can act like
parametric amps if they were fabbed wrong.

b

--- wa5jaw <allensa03@...> wrote:
> Bill,
> I have an external VFO that appears not to have the
> drift problem. I
> will test it out completely and replace the internal
> VFO with the
> external VFO. I can then take my seeet time and
> analyze the drifting
> unit at my leasure. I have cleaned the wipers on
> both the internal
> and external VFO tuning caps and I will check all
> the solder joints.
>
> Thanks,
> Sam WA5JAW
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1241. RE: [TS-520_820_530_830] Digest Number 315

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 03:27:27 UTC
From: Bill K0ZL
Topic: 1235 Message: 1241

You have to wire a cable between the AUX connector on
the back of the 830 to the RCA "relay" or "PTT"
connector on the back of the amp. This is to key the
amp when the rig is keyed. The RCA connector for the
amp end is a run of the mill audio type connector. I
usually take a cheap Rat Shack patch cable for stereos
and whack off one end; They also sell coaxial cable
with pigtails on one end and the RCA plug on the
other. If you get a two-headed one, 12' long you cut
it in half and you have a spare for a friend.

Don't worry about the ALC connection for now.

The ext speaker jack is standard 1/8" mono mini plug;
cables for this are also at Rat Shack, already made
up.

b

--- Dave Greene <oneofthedawgs@...> wrote:
> Hi,
>
> I just bought an old Heathkit SB-200 off eBay. I've
> never used an amp
> before.
>
> Has anyone out there driven an SB-200 with a
> TS-830S? If so, how hard can I
> safely drive the linear from the 830 since 830's put
> out over 100W (the
> listed input for the SB-200 is 100W). Also, how
> exactly do I connect the
> ALC and relay connections up (where do I get
> connectors, cables, etc.??)
>
> Also, how do I connect a scope to monitor the output
> of the linear for
> clipping, etc.??
>
> On a seperate note, what type of connector is the
> external speaker conenctor
> on the back of an 830S? Where can I obtain one, and
> what is the impedance
> of that output?
>
> tnx/Dave

>
>
> >From: TS-520_820_530_830@yahoogroups.com
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: [TS-520_820_530_830] Digest Number 315
> >Date: 1 Feb 2004 04:39:23 -0000
> >
> >
> >There are 6 messages in this issue.
> >
> >Topics in this digest:
> >
> > 1. RE: Digest Number 312
> > From: "Walter Milton"
> <wjmilton@...>
> > 2. Re: TS-830S Scanned Schematic that is
> readable?
> > From: Bill K0ZL <coorsbill@...>
> > 3. Re: TS-830S Scanned Schematic that is
> readable?
> > From: "ROB VAN DEN ENT"
> <pe9pe.rob@...>
> > 4. Re: TS-830S Scanned Schematic that is
> readable?
> > From: Alan Wolke <w2aew@...>
> > 5. TS-830S Scanned Schematic READABLE - YES!
> > From: "k7zs" <k7zs@...>
> > 6. Re: TS-830S Scanned Schematic READABLE -
> YES!
> > From: Bill K0ZL <coorsbill@...>
> >
> >
>
>____
>
>____
> >
> >Message: 1
> > Date: Fri, 30 Jan 2004 21:50:59 -0500
> > From: "Walter Milton" <wjmilton@...>
> >Subject: RE: Digest Number 312
> >
> >Dave,
> >
> >Yes the 230 is the correct one for the TS-830S. I
> purchased mine about two
> >years ago for $250.00. I LOVE IT!!!
> >
> >Walt., KA2NJF

> > -----Original Message-----
> > From: Dave Greene
> [mailto:oneofthedawgs@...]
> > Sent: Thursday, January 29, 2004 7:09 PM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: RE: [TS-520_820_530_830] Digest Number
> 312
> >
> >
> > Hey All,
> >
> > I'm looking to buy the external VFO for my 830S.
> Is the VFO230 the
> >correct
> > one? If so, how much would a functioning
> VFO230, with interface cable,
> >be
> > worth?
> >
> > Thanks to Kyle, I am now thinking about
> expanding my old 830 which will
> > cause the table in my shack to sag even more in
> the middle.
> >
> > Dave WW0W
> >
> >
> > >From: TS-520_820_530_830@yahoogroups.com
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: [TS-520_820_530_830] Digest Number 312
> > >Date: 29 Jan 2004 06:22:48 -0000
> > >
> > >
> > >There are 15 messages in this issue.
> > >
> > >Topics in this digest:
> > >
> > > 1. RE: My TS-520
> > > From: g4jbr@...
> > > 2. Re: My TS-520
> > > From: "au20061"
> <au2006@...>
> > > 3. Re: My TS-520
> > > From: Bill K0ZL
> <coorsbill@...>
> > > 4. Re: TS-830s w/No Driver Tube,
> w/Heater OFF, Carrier CCW -FULL
> > >ALC???
> > > From: Bill K0ZL

> <coorsbill@...>
> > > 5. Tubes, Caps, DVM....???
> > > From: Phono-Guy
> <taephono@...>
> > > 6. 530 Arrived
> > > From: "Bob M"
> <baysideq@...>
> > > 7. Re: Tubes, Caps, DVM....???
> > > From: Bill K0ZL
> <coorsbill@...>
> > > 8. Re: 530 Arrived
> > > From: Bill K0ZL
> <coorsbill@...>
> > > 9. Re: TS-520
> > > From: james27613@...
> > > 10. 520-830 + Heathkit
> > > From: "ka9vaa"
> <ka9vaa@...>
> > > 11. 520-830 + Heathkit
> > > From: "ka9vaa"
> <ka9vaa@...>
> > > 12. Re: different Aerial will it work HF
> > > From: "Bob M"
> <baysideq@...>
> > > 13. Re: Re: different Aerial will it work
> HF
> > > From: Bill K0ZL
> <coorsbill@...>
> > > 14. Re: 530 Arrived
> > > From: "Bob M"
> <baysideq@...>
> > > 15. Re: Re: 530 Arrived
> > > From: Bill K0ZL
> <coorsbill@...>
> > >
> > >
> >
> >
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> >
> >
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>_____
> > >
> > >Message: 1
> > > Date: Wed, 28 Jan 2004 03:32:00 -0500
> > > From: g4jbr@...
> > >Subject: RE: My TS-520
> > >

> > >hi, TRIO was KENWOOD before it became KENWOOD
> (there was a firm trading
> >in
> > >UK under the name of kenwood
> > >pete g4jbr
> > > >
> > > >
> > > >
> > >
>
>_____
> > >New! Unlimited Netscape Internet Service.
> > >Only $9.95 a month -- Sign up today at
> http://isp.netscape.com/register
> > >Act now to get a personalized email address!
> > >
> > >Netscape. Just the Net You Need.
> > >
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>_____
> > >
> > >Message: 2
> > > Date: Wed, 28 Jan 2004 13:57:07 -0000
> > > From: "au20061" <au2006@...>
> > >Subject: Re: My TS-520
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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1242. 500v electrolytics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 06:42:04 UTC
From: blobby12uk
Topic: 1242 Message: 1242

I am aware of digikey who supply a suitable replacement for the voltage doubler electrolytics for the ts-530.The problem is there handling fee and postage charge is 2 to 3 times greater than the cost of the two components I require.This makes purchase from the UK to expensive.
Cornel dubiler produce suitable types but cant find a suplier in the uk.There are other makes also but cant find a supplier that stocks them.
Does any one know of a supplier who can sell a small number without having to incur an excessive handling charge.Obviously postage charge is fine.From my interenet searchs it does appear that I am most likely to find what I require from the States,but havent yet.
The caps have to be 32mm in diameter approx.
I have read somewhere a member of this group may start suppling a capacitor kit to replace the potentially dodgy electrolytics.
Can any one help.
Regards

1243. TS-520 & MFJ 1275 - One Problem Solved...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 14:10:25 UTC
From: norman_y
Topic: 1243 Message: 1243

A while back I posted a question about using the MFJ 1275T sound card interface
with a TS-520. You may recall that this interface was set up to work with a number
of Kenwood radios with 4 pin mic connectors as set from the factory. One of those
listed was the TS-520S.

I had assumed that the setup for my TS-520 would be the same, but that was apparently
not the case. Anyway, the manual was a little short on guidance for working out
the jumper configuration for 4 pin mics (although it included this info for 8 pin
connectors). After studying this for a bit, I thought I might be able to work it
out on my own, but I did not want to fry something in the process.

Fortunately, MFJ tech support was quick to respond with the following jumper configurations:

Setup #1 Setup #2 Setup #3

HD1 Pin 3 HD1 Pin 4 HD1 No Jumper
HD2 Pin 4 HD2 Pin 3 HD2 Pin 4
HD3 Pins 3 & 4 HD3 Pins 3 & 4 HD3 Pins 3 & 4
HD4 Pin 1 HD4 Pin 1 HD4 Pin 1
HD5 Pin 7 HD5 Pin 7 HD5 Pin 7
HD6 Pin 7 HD6 Pin 7 HD6 Pin 7
HD7 Pin 1 HD7 Pin 1 HD7 Pin 1

All three seem to work equally well, but I settled on setup #3 because it does not
require a jumper on HD1, and the manual says not to jumper HD1. Anyway, I offer
the above FWIW, in case anyone picks up one of these units and wants to interface
it to the TS-520, since it ain't in the book.

I have already made a couple of PSK contacts, and I still need to do a little tweaking
of my input and output. In connection with that, I have another question for the
group, but I'll save that for a separate post.

Norman
KA4PUV

1244. TS-520 & MFJ 1275 - ... But Another Problem Yet To Be Solved

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 14:13:44 UTC
From: norman_y
Topic: 1244 Message: 1244

In my last post (assuming you got to the end of it), I said I had another interface
question. I know several of you are active on PSK, and this is not a hardware specific
question (or at least I don't think it is).

I am running a TS-520 interfaced to a 133 Mhz Pentium computer with the MFJ 1275T.

When I am running either Digipan or MixW, from time to time the waterfall will suddenly
have a number of parallel vertical bars on either side of the active stations.
When they appear, they appear suddenly on the display as if a bunch of stations
all started transmitting at the same time. They usually appear as faint blue, like
really weak stations, unless they are near a strong station. Then they will appear
as lighter yellow bars on either side of the active station.

When this happens everything is garbled, but they go away in a matter of 10-15 seconds.
I cannot tie them to any directly observable event such as an active hard drive
or a change in the audio level heard from the radio. Nor does it seem to correlate
with the computer input audio level. This is seen on all bands, and is subject
to happen at any time of day or night. It is not seen at regular intervals, but
I would say it happens every 3-5 minutes or so.

Things I can't rule out:

1. I know that the 133 Mhz machine is about the lower end of what will work with
these packages, but I am not running anything else in the background (other than
what Windows 98 might be doing), so there should not be any memory problem. Then
again...

2. The soundcard. I have no idea what kind it is, but it seems to work OK reading
CW, but there is this problem with PSK.

3. The radio itself. I can't hear any change in audio, but maybe something is
going on there.

4. External interference. I have tried turning everything off that might be an
interference source, but nothing seems to matter. If it is something external,
I have not been able to locate it. And if so, it is intermittent.

I've done a lot of looking on the net, but I have not seen anything quite like this.
It does not prevent me from working PSK, but it does present a challenge when I
miss something in the middle of a QSO, so I'd like to ID and correct the problem.
I do have another faster computer that I can interface with if I have to, but I'd
like to be sure that it is the computer before I do. This machine is too convenient.

Anyone ever experience anything like this, and if so, any suggestions?

Thanks,
Norman
KA4PUV

1245. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 14:17:25 UTC
From: wa5jaw
Topic: 1201 Message: 1245

Bill,
Hooked up the external VFO on the test bench last nite and it was very-very stable. I could disconnect it from 9VDC for 2 minutes and reconnect and the frequency would only change about 2 HZ. It stabilized in 5 minutes or less. Is the Osc FET available or is there a substitute you would recommend to replace it?
Thanks,
Sam

1246. RE: [TS-520_820_530_830] Digest Number 317

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-03 15:46:46 UTC
From: Dave Greene
Topic: 1246 Message: 1246

Bill,

I just found the following Heath SB-200 bulletin at
http://www.qsl.net/kb7rgg/heath/Service_Bulletins/sb200.txt.

Considering the date, does this apply to the 830 and 830S as well?

Dave

April 6, 1984
SB-200 Bulletin No:
1 KW Linear Amplifier SB-200-9

Interfacing The Linear To Kenwood Exciters

The ALC voltage to Kenwood transceivers and transmitters should not
exceed -8 volts. To Ensure the proper voltage to the Kenwood, add:

An 8 volt zener diode [PN 56-621] across the ALC connector on the back of
the amplifier. Connect the banded end of the diode to the ground lug.

Adding a control in the ALC line (as instructed in previous bulletins) to
control the level of ALC voltage doesn't always work. This control loads
the ALC line so much that very little ALC voltage is developed, resulting
in the exiter overdriving the linear, In units which have the control
installed and the operation is still unsatisfactory, return the ALC
circuit to its original design and install the zener diode.

>Message: 6
> Date: Mon, 2 Feb 2004 19:27:27 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
>Subject: RE: Digest Number 315
>
>You have to wire a cable between the AUX connector on
>the back of the 830 to the RCA "relay" or "PTT"
>connector on the back of the amp. This is to key the
>amp when the rig is keyed. The RCA connector for the
>amp end is a run of the mill audio type connector. I
>usually take a cheap Rat Shack patch cable for stereos
>and whack off one end; They also sell coaxial cable
>with pigtails on one end and the RCA plug on the
>other. If you get a two-headed one, 12' long you cut
>it in half and you have a spare for a friend.

>
>--- Dave Greene <oneofthedawgs@...> wrote:
> > Hi,
> >
> > I just bought an old Heathkit SB-200 off eBay. I've
> > never used an amp
> > before.
> >
> > Has anyone out there driven an SB-200 with a
> > TS-830S? Also, how
> > exactly do I connect the
> > ALC and relay connections up (where do I get
> > connectors, cables, etc.??)

> > tnx/Dave

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features! http://join.msn.com/?pgmarket=en-us&page=dialup/home&ST=1

1247. Re: [TS-520_820_530_830] 500v electrolytics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 00:12:38 UTC
From: Bill K0ZL
Topic: 1242 Message: 1247

I can get these for you, as I have to order some from
Digikey anyway.

Contact me off list with quantity, shipping address
etc and I will tell you the cost.

73,

Bill K0ZL

--- blobby12uk <g7jhw@...> wrote:
> I am aware of digikey who supply a suitable
> replacement for the
> voltage doubler electrolytics for the ts-530.The
> problem is there
> handling fee and postage charge is 2 to 3 times
> greater than the cost
> of the two components I require.This makes purchase
> from the UK to
> expensive.
> Cornel dubiler produce suitable types but cant find
> a suplier in the
> uk.There are other makes also but cant find a
> supplier that stocks
> them.
> Does any one know of a supplier who can sell a small
> number without
> having to incur an excessive handling
> charge.Obviously postage charge
> is fine.From my interenet searchs it does appear
> that I am most
> likely to find what I require from the States,but
> havent yet.
> The caps have to be 32mm in diameter approx.
> I have read somewhere a member of this group may
> start suppling a
> capacitor kit to replace the potentially dodgy
> electrolytics.
> Can any one help.
> Regards
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1248. Re: [TS-520_820_530_830] TS-520 & MFJ 1275 - One Problem Solved...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 00:23:46 UTC
From: Bill K0ZL
Topic: 1243 Message: 1248

Norman,
Glad you were able to work it out. Sorry we weren't
more help but this apparently was a combination of
equipment that no one else here has, or was unable to
decipher for you.

Thanks for sharing the solution with us.

73,

Bill K0ZL

--- norman_y <normany@...> wrote:
> A while back I posted a question about using the MFJ
> 1275T sound card
> interface
> with a TS-520. You may recall that this interface
> was set up to work
> with a number
> of Kenwood radios with 4 pin mic connectors as set
> from the factory.
> One of those
> listed was the TS-520S.
>
> I had assumed that the setup for my TS-520 would be
> the same, but
> that was apparently
> not the case. Anyway, the manual was a little short
> on guidance for
> working out
> the jumper configuration for 4 pin mics (although it
> included this
> info for 8 pin
> connectors). After studying this for a bit, I
> thought I might be
> able to work it
> out on my own, but I did not want to fry something
> in the process.
>
> Fortunately, MFJ tech support was quick to respond
> with the following
> jumper configurations:
>
> Setup #1 Setup #2 Setup #3
>
> HD1 Pin 3 HD1 Pin 4 HD1 No

> Jumper
> HD2 Pin 4 HD2 Pin 3 HD2 Pin
> 4
> HD3 Pins 3 & 4 HD3 Pins 3 & 4 HD3
> Pins 3 & 4
> HD4 Pin 1 HD4 Pin 1 HD4 Pin
> 1
> HD5 Pin 7 HD5 Pin 7 HD5 Pin
> 7
> HD6 Pin 7 HD6 Pin 7 HD6 Pin
> 7
> HD7 Pin 1 HD7 Pin 1 HD7 Pin
> 1
>
> All three seem to work equally well, but I settled
> on setup #3
> because it does not
> require a jumper on HD1, and the manual says not to
> jumper HD1.
> Anyway, I offer
> the above FWIW, in case anyone picks up one of these
> units and wants
> to interface
> it to the TS-520, since it ain't in the book.
>
> I have already made a couple of PSK contacts, and I
> still need to do
> a little tweaking
> of my input and output. In connection with that, I
> have another
> question for the
> group, but I'll save that for a separate post.
>
> Norman
> KA4PUV
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://webhosting.yahoo.com/ps/sb/

1249. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 00:31:53 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 1249

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /INTERFACING/TS-520 TO MFJ-1275 INTERFACING.pdf
Uploaded by : k0zl <coorsbill@...>
Description : Interfacing info to MFJ-1275; Thanks to Norman, KA4PUV

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/INTERFACING/TS-520%20TO%20MFJ-1275%20INTERFACING.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

1250. Re: [TS-520_820_530_830] TS-520 & MFJ 1275 - ... But Another Problem Yet To Be Solved

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 00:37:04 UTC
From: Bill K0ZL
Topic: 1244 Message: 1250

You can try switching to dummy load real fast, or
removing the antenna coax, see if it changes.

b

--- norman_y <normany@...> wrote:
> In my last post (assuming you got to the end of it),
> I said I had
> another interface
> question. I know several of you are active on PSK,
> and this is not a
> hardware specific
> question (or at least I don't think it is).
>
> I am running a TS-520 interfaced to a 133 Mhz
> Pentium computer with
> the MFJ 1275T.
>
> When I am running either Digipan or MixW, from time
> to time the
> waterfall will suddenly
> have a number of parallel vertical bars on either
> side of the active
> stations.
> When they appear, they appear suddenly on the
> display as if a bunch
> of stations
> all started transmitting at the same time. They
> usually appear as
> faint blue, like
> really weak stations, unless they are near a strong
> station. Then
> they will appear
> as lighter yellow bars on either side of the active
> station.
>
> When this happens everything is garbled, but they go
> away in a matter
> of 10-15 seconds.
> I cannot tie them to any directly observable event
> such as an active
> hard drive
> or a change in the audio level heard from the radio.
> Nor does it

> seem to correlate
> with the computer input audio level. This is seen
> on all bands, and
> is subject
> to happen at any time of day or night. It is not
> seen at regular
> intervals, but
> I would say it happens every 3-5 minutes or so.
>
> Things I can't rule out:
>
> 1. I know that the 133 Mhz machine is about the
> lower end of what
> will work with
> these packages, but I am not running anything else
> in the background
> (other than
> what Windows 98 might be doing), so there should not
> be any memory
> problem. Then
> again...
>
> 2. The soundcard. I have no idea what kind it is,
> but it seems to
> work OK reading
> CW, but there is this problem with PSK.
>
> 3. The radio itself. I can't hear any change in
> audio, but maybe
> something is
> going on there.
>
> 4. External interference. I have tried turning
> everything off that
> might be an
> interference source, but nothing seems to matter.
> If it is something
> external,
> I have not been able to locate it. And if so, it is
> intermittent.
>
> I've done a lot of looking on the net, but I have
> not seen anything
> quite like this.
> It does not prevent me from working PSK, but it does
> present a
> challenge when I
> miss something in the middle of a QSO, so I'd like
> to ID and correct
> the problem.

> I do have another faster computer that I can
> interface with if I have
> to, but I'd
> like to be sure that it is the computer before I do.
> This machine is
> too convenient.
>
> Anyone ever experience anything like this, and if
> so, any suggestions?
>
> Thanks,
> Norman
> KA4PUV
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1251. Re: [TS-520_820_530_830] Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 00:45:48 UTC
From: Bill K0ZL
Topic: 1201 Message: 1251

That's a 3SK22, dual gate FET, you can use a 40673
there, or 3SK40.

Bill

--- wa5jaw <allensa03@...> wrote:
> Bill,
> Hooked up the external VFO on the test bench last
> nite and it was
> very-very stable. I could disconnect it from 9VDC
> for 2 minutes and
> reconnect and the frequency would only change about
> 2 HZ. It
> stabilized in 5 minutes or less. Is the Osc FET
> available or is
> there a substitute you would recommend to replace
> it?
> Thanks,
> Sam
>
>

=====

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1252. RE: [TS-520_820_530_830] Digest Number 317

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 02:10:06 UTC
From: Bill K0ZL
Topic: 1246 Message: 1252

If you are referring to the ALC voltage limit, yes.

However, I never use the ALC hookup on my amps... see
Measures on that, the ALC attack time is not fast
enough to prevent splatter.

With the exception of the AL-811 (3 tube 811 amp,
needs only 65 watts drive), none of the newer amps
need ALC input from your rig to function well.

Watch your grid current when tuning up; properly
loaded, the grid current will 'tell' you how much PEP
you can feed the amp without overdriving it.

bill

--- Dave Greene <oneofthedawgs@...> wrote:
> Bill,
>
> I just found the following Heath SB-200 bulletin at
>
http://www.qsl.net/kb7rgg/heath/Service_Bulletins/sb200.txt.
>
> Considering the date, does this apply to the 830 and
> 830S as well?
>
> Dave
>
>

> April 6, 1984
> SB-200
> Bulletin No:
> 1 KW Linear Amplifier
> SB-200-9
>
> Interfacing The Linear To Kenwood
> Exciters
>
> The ALC voltage to Kenwood transceivers and
> transmitters should not
> exceed -8 volts. To Ensure the proper voltage to
> the Kenwood, add:
>
> An 8 volt zener diode [PN 56-621] across the ALC

> connector on the back of
> the amplifier. Connect the banded end of the diode
> to the ground lug.
>
> Adding a control in the ALC line (as instructed in
> previous bulletins) to
> control the level of ALC voltage doesn't always
> work. This control loads
> the ALC line so much that very little ALC voltage is
> developed, resulting
> in the exiter overdriving the linear, In units
> which have the control
> installed and the operation is still unsatisfactory,
> return the ALC
> circuit to its original design and install the zener
> diode.
>

>
>
> >Message: 6
> > Date: Mon, 2 Feb 2004 19:27:27 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: RE: Digest Number 315
> >
> >You have to wire a cable between the AUX connector
> on
> >the back of the 830 to the RCA "relay" or "PTT"
> >connector on the back of the amp. This is to key
> the
> >amp when the rig is keyed. The RCA connector for
> the
> >amp end is a run of the mill audio type connector.
> I
> >usually take a cheap Rat Shack patch cable for
> stereos
> >and whack off one end; They also sell coaxial cable
> >with pigtails on one end and the RCA plug on the
> >other. If you get a two-headed one, 12' long you
> cut
> >it in half and you have a spare for a friend.
> >
> >--- Dave Greene <oneofthedawgs@...> wrote:
> > > Hi,
> > >
> > > I just bought an old Heathkit SB-200 off eBay.
> I've
> > > never used an amp
> > > before.

> > >
> > > Has anyone out there driven an SB-200 with a
> > > TS-830S? Also, how
> > > exactly do I connect the
> > > ALC and relay connections up (where do I get
> > > connectors, cables, etc.??)
>
> > > tnx/Dave
>
>

> Check out the new MSN 9 Dial-up ? fast & reliable
> Internet access with prime
> features!
>
http://join.msn.com/?pgmarket=en-us&page=dialup/home&ST=1
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>
>
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>
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1253. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 03:34:33 UTC
From: rsakabu
Topic: 1201 Message: 1253

--- In TS-520_820_530_830@yahoogroups.com, "wa5jaw" <allensa03@p...>
wrote:
> Hello,
> I need a little help with my TS-520 internal VFO.

For what it's worth Sam, this is a known characteristic of the Hybrid Kenwood rigs (520,530,820,830). The VFO-230 is also known to be dead on from a cold start. To make you feel a little better, my 830 does the same thing (200 Hz low, then it gradually drifts up to the warm frequency and stays rock solid after that all day long). There is a mod in which you can put a large value resistor across the AC line to keep the rig warm even when powered down. This minimizes the drift, but I don't think it is worth doing.

73
Roy
AD6ZU

1254. Transistor Substitutions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 06:37:09 UTC
From: k7zs
Topic: 1254 Message: 1254

I am (trying) to debug and repair a TS-830s with low power output. I I have discovered a few transistors that have failed, and of course you don't easily (or inexpensively!) replace these with the exact parts, due to their vintage.

I have 2 questions for the group:

1. Are modern equivalents acceptable? NTE for example?

2. Has anyone ever seen a transistor / diode cross reference specifically for the TS-830S? Would save a lot of internet searching for datasheets etc.

I am just curious, as my first few replacements with NTE equivalents only created more problems - very disappointing!

I am chasing an ALC problem, specifically I am replacing on the IF Unit: Q30 and Q31 and on the AF unit, Q19 and Q20.

Any tips here?

Thanks
Kevin K7ZS
k7zs@...

1255. Re: [TS-520_820_530_830] 500v electrolytics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 08:52:00 UTC
From: Bob
Topic: 1242 Message: 1255

Thankyou for the help....
I presume the part Digi-Key part number p7453-nd will be the best fit for ts-530/830 etc.
I will only require two as spares for my radio.The ones in my set are still ok.It is just an insurance policy.
The shipping address is England.Presumably I could send you American dollars to cover all costs.I have done that recently with no problems.
(Find my details on QRZ.COM under G7JHW)
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, February 04, 2004 12:12 AM
Subject: Re: [TS-520_820_530_830] 500v electrolytics

I can get these for you, as I have to order some from
Digikey anyway.

Contact me off list with quantity, shipping address
etc and I will tell you the cost.

73,

Bill K0ZL

--- blobby12uk <g7jhw@...> wrote:
> I am aware of digikey who supply a suitable
> replacement for the
> voltage doubler electrolytics for the ts-530.The
> problem is there
> handling fee and postage charge is 2 to 3 times
> greater than the cost
> of the two components I require.This makes purchase
> from the UK to
> expensive.
> Cornel dubiler produce suitable types but cant find
> a suplier in the
> uk.There are other makes also but cant find a
> supplier that stocks
> them.
> Does any one know of a supplier who can sell a small
> number without
> having to incur an excessive handling
> charge.Obviously postage charge
> is fine.From my interenet searchs it does appear
> that I am most
> likely to find what I require from the States,but
> havent yet.

> The caps have to be 32mm in diameter approx.
> I have read somewhere a member of this group may
> start suppling a
> capacitor kit to replace the potentially dodgy
> electrolytics.
> Can any one help.
> Regards
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1256. Re: TS-520 & MFJ 1275 - ... But Another Problem Yet To Be Solved

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 18:26:57 UTC
From: norman_y
Topic: 1244 Message: 1256

Good idea. That could possibly eliminate the radio as the culprit.
I am also looking into the possibility that I don't have the mic
volume on the sound card optimized. I'll keep everyone posted.

73,
Norman
KA4PUV

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> You can try switching to dummy load real fast, or
> removing the antenna coax, see if it changes.
>
> b
>
> --- norman_y <normany@m...> wrote:
> > In my last post (assuming you got to the end of it),
> > I said I had
> > another interface
> > question. I know several of you are active on PSK,
> > and this is not a
> > hardware specific
> > question (or at least I don't think it is).
> >
> > I am running a TS-520 interfaced to a 133 Mhz
> > Pentium computer with
> > the MFJ 1275T.
> >
> > When I am running either Digipan or MixW, from time
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> > waterfall will suddenly
> > have a number of parallel vertical bars on either
> > side of the active
> > stations.
> > When they appear, they appear suddenly on the
> > display as if a bunch
> > of stations
> > all started transmitting at the same time. They
> > usually appear as
> > faint blue, like
> > really weak stations, unless they are near a strong
> > station. Then
> > they will appear
> > as lighter yellow bars on either side of the active
> > station.

> >
> > When this happens everything is garbled, but they go
> > away in a matter
> > of 10-15 seconds.
> > I cannot tie them to any directly observable event
> > such as an active
> > hard drive
> > or a change in the audio level heard from the radio.
> > Nor does it
> > seem to correlate
> > with the computer input audio level. This is seen
> > on all bands, and
> > is subject
> > to happen at any time of day or night. It is not
> > seen at regular
> > intervals, but
> > I would say it happens every 3-5 minutes or so.
> >
> > Things I can't rule out:
> >
> > 1. I know that the 133 Mhz machine is about the
> > lower end of what
> > will work with
> > these packages, but I am not running anything else
> > in the background
> > (other than
> > what Windows 98 might be doing), so there should not
> > be any memory
> > problem. Then
> > again...
> >
> > 2. The soundcard. I have no idea what kind it is,
> > but it seems to
> > work OK reading
> > CW, but there is this problem with PSK.
> >
> > 3. The radio itself. I can't hear any change in
> > audio, but maybe
> > something is
> > going on there.
> >
> > 4. External interference. I have tried turning
> > everything off that
> > might be an
> > interference source, but nothing seems to matter.
> > If it is something
> > external,
> > I have not been able to locate it. And if so, it is
> > intermittent.
> >

> > I've done a lot of looking on the net, but I have
> > not seen anything
> > quite like this.
> > It does not prevent me from working PSK, but it does
> > present a
> > challenge when I
> > miss something in the middle of a QSO, so I'd like
> > to ID and correct
> > the problem.
> > I do have another faster computer that I can
> > interface with if I have
> > to, but I'd
> > like to be sure that it is the computer before I do.
> > This machine is
> > too convenient.
> >
> > Anyone ever experience anything like this, and if
> > so, any suggestions?
> >
> > Thanks,
> > Norman
> > KA4PUV
> >
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1257. Re: [TS-520_820_530_830] Transistor Substitutions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 07:51:42 UTC
From: Peter A Markavage
Topic: 1254 Message: 1257

East Coast Transistor, http://www.kenwoodparts.com/ , has all 4 parts listed as available. Spot checks to Newark, Allied, and a few others turned up some here, some there, but not all from the same place. Do a Google search on one more of the part numbers and all sorts of companies pop up. Taking a quick cursory look at the schematic doesn't seem to indicate these parts are in highly critical areas. If the specs of the NTE replacements are close, they probably would work fine.

Pete, WA2CWA

On Wed, 04 Feb 2004 06:37:09 -0000 "k7zs" <k7zs@...> writes:
I am (trying) to debug and repair a TS-830s with low power output. I I have discovered a few transistors that have failed, and of course you don't easily (or inexpensively!) replace these with the exact parts, due to their vintage.

I have 2 questions for the group:

1. Are modern equivalents acceptable? NTE for example?

2. Has anyone ever seen a transistor / diode cross reference specifically for the TS-830S? Would save a lot of internet searching for datasheets etc.

I am just curious, as my first few replacements with NTE equivalents only created more problems - very disappointing!

I am chasing an ALC problem, specifically I am replacing on the IF Unit: Q30 and Q31 and on the AF unit, Q19 and Q20.

Any tips here?

Thanks
Kevin K7ZS
k7zs@...

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[Non-text portions of this message have been removed]

1258. Re: [TS-520_820_530_830] Transistor Substitutions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 13:55:46 UTC
From: Bill K0ZL
Topic: 1254 Message: 1258

Kevin, anytime you need the JA transistors, always
ping me for them. I keep a pretty good stock of them
here or can put them on the next order from Kenwood,
Icom or Yaesu; also I have some sub. data in my own
parts list. Most all of the transitors in the 830
series are either available or there is a "non-NTE"
swap that will work.

bill

--- k7zs <k7zs@...> wrote:
> I am (trying) to debug and repair a TS-830s with low
> power output. I
> I have discovered a few transistors that have
> failed, and of course
> you don't easily (or inexpensively!) replace these
> with the exact
> parts, due to their vintage.
>
> I have 2 questions for the group:
>
> 1. Are modern equivalents acceptable? NTE for
> example?
>
> 2. Has anyone ever seen a transistor / diode cross
> reference
> specifically for the TS-830S? Would save a lot of
> internet searching
> for datasheets etc.
>
> I am just curious, as my first few replacements with
> NTE equivalents
> only created more problems - very disappointing!
>
> I am chasing an ALC problem, specifically I am
> replacing on the IF
> Unit: Q30 and Q31 and on the AF unit, Q19 and Q20.
>
> Any tips here?
>
> Thanks
> Kevin K7ZS
> k7zs@...
>
>

>

=====

"If in doubt, MODIFY" --k0zl

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1259. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-04 22:52:12 UTC
From: wa5jaw
Topic: 1201 Message: 1259

Roy,
When you get all warmed up on the VFO and switch to the xtal osc
for 15 or so minutes and then go back to the VFO do you have to go
through the warm up cycle again?
Sam WA5JAW

1260. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 02:05:59 UTC
From: rsakabu
Topic: 1201 Message: 1260

--- In TS-520_820_530_830@yahoogroups.com, "wa5jaw" <allensa03@p...>
wrote:
> Roy,
> When you get all warmed up on the VFO and switch to the xtal osc
> for 15 or so minutes and then go back to the VFO do you have to go
> through the warm up cycle again?
> Sam WA5JAW

Sam,
I only have the internal VFO. I think the drift is completely
temperature dependent. If I turn the 830 off on a hot summer day
where the temperatures in Sacramento go upwards of 100 degrees F, I
could turn the 830 back on an hour later and get virtually no drift.
In the winters where the temp in my shack (garage) could be down in
the 40's, the 830 will cool off fairly rapidly and in less than a
half hour, it would essentially be back to a cold start where it
would take another 30+ minutes to warm back up to a drift free state.

73
Roy
AD6ZU

1261. replacement bulbs for TS520S meter & dial display?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 13:39:41 UTC
From: Phono-Guy
Topic: 1261 Message: 1261

Good day all,
The meter bulbs on my TS520s are burnt out, anyone know where I may find some replacement bulbs?

73,
Clint
WS1V

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[Non-text portions of this message have been removed]

1262. Re: replacement bulbs for TS520S meter & dial display?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 13:57:42 UTC
From: Jim
Topic: 1261 Message: 1262

If they are the same grain-of-wheat bulbs as in the TS-820, then you can pick them up at Radio Shack. As I recall, you need to have three of them - two for the S-Meter and one for the dial. You might as well relamp them all. Also, if you don't have it already you might want to pick up a package of the heat shrink tubing (the small kind. The original bulbs are hard wired, so you need to lap solder the wires in place and the shrink tubing will be needed for insulation. It makes a much nicer job than using black tape which is guaranteed to get nasty and sticky over time.

7

--- In TS-520_820_530_830@yahoogroups.com, Phono-Guy <taephono@y...> wrote:
> Good day all,
> The meter bulbs on my TS520s are burnt out, anyone know where I may find some replacement bulbs?
>
> 73,
> Clint
> WS1V
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Finance: Get your refund fast by filing online
>
> [Non-text portions of this message have been removed]

1263. VFO Cable setup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 14:01:59 UTC
From: Adam VK4KSS
Topic: 1261 Message: 1263

Hi all, gecko man here.

I just got off the phone with a bloke and have negotiated a VFO 520 and SP 520 for my TS 520S. The vendor has told me there is no patch cable from the VFO to the transceiver and there is no documentation for the VFO either.

My Questions:-

1. Where can I get a 9 pin plug for the VFO (or can I use and old valve base perhaps)?
2. What is the difference between a VFO 520 and VFO 520S apart from the face colour. I know it will work because a friend has one on his 520S.
3. Can someone steer me to a circuit diagram for the VFO so I can make up a patch lead.
4. Instructions on use would be handy too, as I have never used an external VFO before :-)

BTW for the two items I paid (US $60:00)

Thanks for reading my post

73

Adam VK4KSS
CW Operators QRP Club - # 664
FISTS - # 9619

"I hear and I forget. I see and I remember. I do and I understand."
Confucius

Outgoing mail has been scanned for virus infection and is certified Virus Free by AVG Anti-Virus System
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.577 / Virus Database: 366 - Release Date: 3/02/04

[Non-text portions of this message have been removed]

1264. Re: VFO Cable setup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 16:00:14 UTC
From: ab8sg
Topic: 1261 Message: 1264

--- In TS-520_820_530_830@yahoogroups.com, Adam VK4KSS <radio@i...>
wrote:
>
>
> Hi all, gecko man here.
>
> I just got off the phone with a bloke and have negotiated a VFO
520 and SP
> 520 for my TS 520S. The vendor has told me there is no patch cable
from the
> VFO to the transceiver and there is no documentation for the VFO
either.
>
> My Questions:-
>
> 1. Where can I get a 9 pin plug for the VFO (or can I use and old
valve
> base perhaps)?
> 2. What is the difference between a VFO 520 and VFO 520S apart
from the
> face colour. I know it will work because a friend has one on his
520S.
> 3. Can someone steer me to a circuit diagram for the VFO so I can
make up a
> patch lead.
> 4. Instructions on use would be handy too, as I have never used an
external
> VFO before :-)
>
> BTW for the two items I paid (US $60:00)
>
> Thanks for reading my post
>
> 73
>
> Adam VK4KSS
> CW Operators QRP Club - # 664
> FISTS - # 9619
>
> "I hear and I forget. I see and I remember. I do and I understand."
> Confucius

Adam,
You have to make up a cable. The 9 pin connectors are available from
several sources. I think rfparts and maybe tower electronics carry

them. I use cat5 network cable to construct mine with some
heatshrink tubing.
"73"

1265. TS-520S Sub-Dial replacement procedure?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 01:24:31 UTC
From: Gary Brown
Topic: 1265 Message: 1265

Anyone have a tried and proven way to remove/replace the white circular dial? My original one got scratched a bit due to a mechanical bind (loose screw) and I have a replacement to install.

73,
Gary
K4GPB

1266. Re: [TS-520_820_530_830] replacement bulbs for TS520S meter & dial display?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 19:00:45 UTC
From: Bill K0ZL
Topic: 1261 Message: 1266

Take the grommet out of the back of the meter; remove
the lamp, and cut the back off so instead of two very
small holes, you have one larger one that will allow
you to shove a 12v grain of wheat bulb in there.

Then find your bulb, and lap-solder and heat-shrink
the leads to the old lamp leads (hopefully you have
cut them off very near the old bulb, leaving nice long
pigtails!)

Don't use electrical tape... looks veddy badly!

bill

--- Phono-Guy <taephono@...> wrote:
> Good day all,
> The meter bulbs on my TS520s are burnt out, anyone
> know where I may find some replacement bulbs?
>
> 73,
> Clint
> WS1V
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Finance: Get your refund fast by filing
> online
>
> [Non-text portions of this message have been
> removed]
>
>

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"If in doubt, MODIFY" --k0zl

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1267. Re: [TS-520_820_530_830] TS-520S Sub-Dial replacement procedure?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 21:25:56 UTC
From: Bill K0ZL
Topic: 1265 Message: 1267

I think you need to remove the VFO assembly from the
rig... not that hard.

b

--- Gary Brown <gbrown@...> wrote:
> Anyone have a tried and proven way to remove/replace
> the white
> circular dial? My original one got scratched a bit
> due to a
> mechanical bind (loose screw) and I have a
> replacement to install.
>
> 73,
> Gary
> K4GPB
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1268. TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-05 22:52:34 UTC
From: Wayne
Topic: 1268 Message: 1268

Hi All
I am experiencing a couple of problems with my TS820 and am wondering if anyone can enlighten me with regards to these difficulties.
First, when the AF gain is fully wound up, the ALC works (via the meter)as advertised. When the AF gain is reduced from 10 on the scale to approx. 9 the ALC reading jumps up and then drops back to rest. As the AF gain is reduced further the ALC reading continues to rise until the meter is full scale, where it remains.
Is this normal or do I have a fault somewhere?
The second issue centers on the recieve side being low. I have adjusted the coil pack unit (mix and antenna coils) as recommended in the service manual yet still find that there is anything from 4-5 S points difference between the Kenwood and my Icom 746, using the same antenna and no preamp. The TS820 is always lower in reading, with the difference more noticeable on the lower bands (40/80/160).
Also, when following the manual using the marker signal as the source, I obtain little, if any, sort of meter reading on 80 and 160m. Read as barely moves off the stop, making adjustment on these bands difficult if not impossible. This could explain why the receive side is down!!!
Any suggestions as to where to start looking?

Thanks in advance.
Wayne
VK2JKK

1269. Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 02:17:36 UTC
From: Bill K0ZL
Topic: 1268 Message: 1269

The little RF coil/transformer for 160 meters is
open.. this is the one that you tweak on 160, it's
also used as a transformer on all the other bands. The
reason the upper bands work a little better is they
are capacitively coupling through the bad transformer.

On the AF problem, are you sure that the outer
(silver) knob, which is RF gain, is not turning with
the inner (AF gain) knob?

b

--- Wayne <wcbak38@...> wrote:
>

> Yahoo! Groups SpamGuard has detected that the
> attached message to the
> group TS-520_820_530_830 is likely to be spam. For
> more information
> about SpamGuard, please visit our help pages:
> http://groups.yahoo.com/local/spamguard.html
>

>
>

> ATTACHMENT part 2 message/rfc822
> To: TS-520_820_530_830@yahoogroups.com
> From: "Wayne" <wcbak38@...>
> Date: Thu, 05 Feb 2004 22:52:34 -0000
> Subject: [TS-520_820_530_830] TS-820 ALC & Low
> Receive
>
> Hi All
> I am experiencing a couple of problems with my TS820
> and am
> wondering if anyone can enlighten me with regards to
> these
> difficulties.
> First, when the AF gain is fully wound up, the ALC
> works (via the
> meter)as advertised. When the AF gain is reduced
> from 10 on the
> scale to approx. 9 the ALC reading jumps up and then
> drops back to
> rest. As the AF gain is reduced further the ALC

> reading continues to
> rise until the meter is full scale, where it
> remains.
> Is this normal or do I have a fault somewhere?
> The second issue centers on the recieve side being
> low. I have
> adjusted the coil pack unit (mix and antenna coils)
> as recommended
> in the service manual yet still find that there is
> anything from 4-5
> S points difference between the Kenwood and my Icom
> 746, using the
> same antenna and no preamp. The TS820 is always
> lower in reading,
> with the difference more noticeable on the lower
> bands (40/80/160).
> Also, when following the manual using the marker
> signal as the
> source, I obtain little, if any, sort of meter
> reading on 80 and
> 160m. Read as barely moves off the stop, making
> adjustment on these
> bands difficult if not impossible. This could
> explain why the
> receive side is down!!!
> Any suggestions as to where to start looking?
>
> Thanks in advance.
> Wayne
> VK2JKK
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1270. Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 04:03:19 UTC
From: Wayne
Topic: 1268 Message: 1270

Hi Bill
The ALC problem occurs when I turn the RF knob, not the AF gain as stated in the previous posting. I need to read what is written on the face of the radio!!!
The coil you refer to for 160m, is that the mix or antenna coil or both.

Thanks for the information. I will have to see if I can chase up a new coil. Will check the solder joints first as this set has suffered from a few dry joints.

Regards
Wayne VK2JKK

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> The little RF coil/transformer for 160 meters is
> open.. this is the one that you tweak on 160, it's
> also used as a transformer on all the other bands. The
> reason the upper bands work a little better is they
> are capacitively coupling through the bad transformer.
>
> On the AF problem, are you sure that the outer
> (silver) knob, which is RF gain, is not turning with
> the inner (AF gain) knob?
>
>

1271. Re: [TS-520_820_530_830] VFO male plug + cable info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 04:29:04 UTC
From: james27613@att.net
Topic: 1271 Message: 1271

Hi Adam, aka Gecko Man,

The cable is 1-1 2-2 etc. pin 7 is no connection.
Yes, you can use old tube base if you like.

I used an old computer cable shielded and it works fine.

Manual available at http://www.mods.dk no charge to d/l file.

Here is source for the 9 pin male plugs
http://www.kenwoodparts.com located in NY State USA

part number to search on

E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus s/h
not sure if they will ship to you in vk land.

73 james

1272. Re: [TS-520_820_530_830] VFO male plug + cable info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 04:48:16 UTC
From: VK4KSS
Topic: 1271 Message: 1272

Thanks James et al

I will check with Kenwood in Sydney for the plug. Have managed to find an RF Parts outlet in Brisbane as well, they might stock it... would be closer form me too. I don't think that RF parts VK is the same as RF parts in the US but its worth a try. Makes it nice and easy for a straight cable connect. I wasn't sure if that was the case.

Down loading the files from www.mods.dk right now.

Thanks for the help.

Adam VK4KSS

1273. Re: [TS-520_820_530_830] Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 13:29:45 UTC
From: Bill K0ZL
Topic: 1268 Message: 1273

It's the antenna coil.

Also, the S meter going up with RF gain is normal.

Consider the RF gain actually is an "AGC Threshold"
control, not true RF gain, and it starts to make
better sense; as you increase the threshold, the meter
goes up to show you what strength of signal is needed
to go "into" AGC action.

bill
--- Wayne <wcbak38@...> wrote:
> Hi Bill
> The ALC problem occurs when I turn the RF knob, not
> the AF gain as
> stated in the previous posting. I need to read what
> is written on
> the face of the radio!!!
> The coil you refer to for 160m, is that the mix or
> antenna coil or
> both.
>
> Thanks for the information. I will have to see if I
> can chase up a
> new coil. Will check the solder joints first as this
> set has
> suffered from a few dry joints.
>
> Regards
> Wayne VK2JKK
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > The little RF coil/transformer for 160 meters is
> > open.. this is the one that you tweak on 160, it's
> > also used as a transformer on all the other bands.
> The
> > reason the upper bands work a little better is
> they
> > are capacitively coupling through the bad
> transformer.
> >
> > On the AF problem, are you sure that the outer

> > (silver) knob, which is RF gain, is not turning
> with
> > the inner (AF gain) knob?
> >
> >
>
>

=====

"If in doubt, MODIFY" --k0zl

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1274. Drift trio ts-530s +quirck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 17:13:20 UTC
From: blobby12uk
Topic: 1274 Message: 1274

Just a minor concern,but is 100 to 200hz drift after switch on
acceptable .Fifteen minutes later perfectly stable.
Also after a strong signal disappears I notice a slight kick as the S
meter drops back to 0,this is only noticable when the antenna is
disconnected or I have the attenuator on.The noise level otherwise
keeps the needle above the point where it happens,about s3.
Another way of describing the affect is that the meter drops back at
a certain rate ,quicky slows at 3thenreturns to the original rate to
0.
I know it is not a mechanical fault with the meter.
Is this just a quirck of these sets.
Further I always get between 5 to 8 s points of noise on all bands
with rf gain on max and att off.Is this about right because I am used
to ic706mk11g giving a bit less ,especially on the higher bands.The s
meter does sit at 0 with no input.
The reason I am asking this I have never seen another set of this
type to compare with.
Bob/G7JHW

1275. RE: [TS-520_820_530_830] Digest Number 321

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 17:38:06 UTC
From: Dave Greene
Topic: 1275 Message: 1275

Hi,

I'm experiencing a weird phenomenon with my 830S when operating CW semi-breakin on 80M. This happens every once in a while. I'll switch to 80, and it will sound noisy, not just static, but more like a warbling static that varies in tone and strength from S3 to S7.

Whenever I hit the key and transmit, then let up and the receiver comes back, the noise disappears completely momentarily, then builds back up in strength. When it disappears there is just a normal low level pure statis sound, maybe S1 or S2.

I originally thought this was just the receiver recovering. But last night I was operating with a guy who was also doing break-in, so we were goign back and forth in short spurts of transmitting. Often we were doubling up. I noticed when I let up on my key, that weird noise dropped off, but his signal strength remained S8 constantly.

So basically, the signal to noise ratio is much higher on my rig immediately after the receiver is switched back on, then drops. What could cause that? Some weird static discharge off the antenna or transmission line every time RF is applied??

Dave

ps. running 830S barefoot to MFJ tuner, tuner to a random wire.

>From: TS-520_820_530_830@yahoogroups.com
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Digest Number 321
>Date: 6 Feb 2004 16:12:31 -0000
>
>
>There are 4 messages in this issue.
>
>Topics in this digest:
>
> 1. Re: [spam] TS-820 ALC & Low Receive
> From: "Wayne" <wcbak38@...>
> 2. Re: VFO male plug + cable info
> From: james27613@...
> 3. Re: VFO male plug + cable info
> From: VK4KSS <radio@...>
> 4. Re: Re: [spam] TS-820 ALC & Low Receive
> From: Bill K0ZL <coorsbill@...>
>

>
>_____
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>
>Message: 1
> Date: Fri, 06 Feb 2004 04:03:19 -0000
> From: "Wayne" <wcbak38@...>
>Subject: Re: [spam] TS-820 ALC & Low Receive
>
>Hi Bill
>The ALC problem occurs when I turn the RF knob, not the AF gain as
>stated in the previous posting. I need to read what is written on
>the face of the radio!!!
>The coil you refer to for 160m, is that the mix or antenna coil or
>both.
>
>Thanks for the information. I will have to see if I can chase up a
>new coil. Will check the solder joints first as this set has
>suffered from a few dry joints.
>
>Regards
>Wayne VK2JKK
>
>
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
><coorsbill@y...> wrote:
> > The little RF coil/transformer for 160 meters is
> > open.. this is the one that you tweak on 160, it's
> > also used as a transformer on all the other bands. The
> > reason the upper bands work a little better is they
> > are capacitively coupling through the bad transformer.
> >
> > On the AF problem, are you sure that the outer
> > (silver) knob, which is RF gain, is not turning with
> > the inner (AF gain) knob?
> >
> >
>
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>_____
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>
>Message: 2
> Date: Fri, 06 Feb 2004 04:29:04 +0000
> From: james27613@...
>Subject: Re: VFO male plug + cable info
>
>Hi Adam, aka Gecko Man,

>
>The cable is 1-1 2-2 etc. pin 7 is no connection.
>Yes, you can use old tube base if you like.
>
>I used an old computer cable shielded and it works fine.
>
>Manual available at http://www.mods.dk no charge to d/l file.
>
>
>Here is source for the 9 pin male plugs
>http://www.kenwoodparts.com located in NY State USA
>
>part number to search on
>
>E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus s/h
>not sure if they will ship to you in vk land.
>
>73 james
>
>
>_____
>_____
>
>Message: 3
> Date: Fri, 06 Feb 2004 14:48:16 +1000
> From: VK4KSS <radio@...>
>Subject: Re: VFO male plug + cable info
>
>Thanks James et al
>
>I will check with Kenwood in Sydney for the plug. Have managed to find an
>RF Parts outlet in Brisbane as well, they might stock it... would be closer
>form me too. I don't think that RF parts VK is the same as RF parts in the
>US but its worth a try. Makes it nice and easy for a straight cable
>connect. I wasn't sure if that was the case.
>
>Down loading the files from www.mods.dk right now.
>
>Thanks for the help.
>
>Adam VK4KSS
>
>
>
>_____
>_____
>
>Message: 4
> Date: Fri, 6 Feb 2004 05:29:45 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>

>Subject: Re: Re: [spam] TS-820 ALC & Low Receive
>
>It's the antenna coil.
>
>Also, the S meter going up with RF gain is normal.
>
>Consider the RF gain actually is an "AGC Threshold"
>control, not true RF gain, and it starts to make
>better sense; as you increase the threshold, the meter
>goes up to show you what strength of signal is needed
>to go "into" AGC action.
>
>bill
>--- Wayne <wcbak38@...> wrote:
> > Hi Bill
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> > the AF gain as
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> > the face of the radio!!!
> > The coil you refer to for 160m, is that the mix or
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> > suffered from a few dry joints.
> >
> > Regards
> > Wayne VK2JKK
> >
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> >
> > <coorsbill@y...> wrote:
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>Yahoo! Groups Links
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Optimize your Internet experience to the max with the new MSN Premium
Internet Software. http://click.atdmt.com/AVE/go/onm00200359ave/direct/01/

1276. RE: [TS-520_820_530_830] Digest Number 321

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 18:14:00 UTC
From: Bill K0ZL
Topic: 1275 Message: 1276

Are any of the neighbors' touch lamps acting up when
you transmit?

bill

--- Dave Greene <oneofthedawgs@...> wrote:
> Hi,
>
> I'm experiencing a weird phenomenon with my 830S
> when operating CW
> semi-breakin on 80M. This happens every once in a
> while. I'll switch to
> 80, and it will sound noisy, not just static, but
> more like a warbling
> static that varies in tone and strength from S3 to
> S7.
>
> Whenever I hit the key and transmit, then let up and
> the receiver comes
> back, the noise disappears completely momentarily,
> then builds back up in
> strength. When it disappears there is just a normal
> low level pure statis
> sound, maybe S1 or S2.
>
> I originally thought this was just the receiver
> recovering. But last night
> I was operating with a guy who was also doing
> break-in, so we were goign
> back and forth in short spurts of transmitting.
> Often we were doubling up.
> I noticed when I let up on my key, that weird noise
> dropped off, but his
> signal strength remained S8 constantly.
>
> So basically, the signal to noise ratio is much
> higher on my rig immediately
> after the receiver is switched back on, then drops.
> What could cause that?
> Some weird static discharge off the antenna or
> transmission line every time
> RF is applied??
>
> Dave
>

> ps. running 830S barefoot to MFJ tuner, tuner to a
> random wire.
>
>
> >From: TS-520_820_530_830@yahoogroups.com
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: [TS-520_820_530_830] Digest Number 321
> >Date: 6 Feb 2004 16:12:31 -0000
> >
> >
> >There are 4 messages in this issue.
> >
> >Topics in this digest:
> >
> > 1. Re: [spam] TS-820 ALC & Low Receive
> > From: "Wayne" <wcbak38@...>
> > 2. Re: VFO male plug + cable info
> > From: james27613@...
> > 3. Re: VFO male plug + cable info
> > From: VK4KSS <radio@...>
> > 4. Re: Re: [spam] TS-820 ALC & Low Receive
> > From: Bill K0ZL <coorsbill@...>
> >
> >
>
>____
>
>____
> >
> >Message: 1
> > Date: Fri, 06 Feb 2004 04:03:19 -0000
> > From: "Wayne" <wcbak38@...>
> >Subject: Re: [spam] TS-820 ALC & Low Receive
> >
> >Hi Bill
> >The ALC problem occurs when I turn the RF knob, not
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> >The coil you refer to for 160m, is that the mix or
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> >
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> >suffered from a few dry joints.

> >
> >Regards
> >Wayne VK2JKK
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> ><coorsbill@y...> wrote:
> > > The little RF coil/transformer for 160 meters is
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> >
> >Message: 2
> > Date: Fri, 06 Feb 2004 04:29:04 +0000
> > From: james27613@...
> >Subject: Re: VFO male plug + cable info
> >
> >Hi Adam, aka Gecko Man,
> >
> >The cable is 1-1 2-2 etc. pin 7 is no connection.
> >Yes, you can use old tube base if you like.
> >
> >I used an old computer cable shielded and it works
> fine.
> >
> >Manual available at http://www.mods.dk no charge
> to d/l file.
> >
> >

> >Here is source for the 9 pin male plugs
> >http://www.kenwoodparts.com located in NY State
> USA
> >
> >part number to search on
> >
> >E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus
> s/h
> >not sure if they will ship to you in vk land.
> >
> >73 james
> >
> >
>
>_____
>
>_____
> >
> >Message: 3
> > Date: Fri, 06 Feb 2004 14:48:16 +1000
> > From: VK4KSS <radio@...>
> >Subject: Re: VFO male plug + cable info
> >
> >Thanks James et al
> >
> >I will check with Kenwood in Sydney for the plug.
> Have managed to find an
> >RF Parts outlet in Brisbane as well, they might
> stock it... would be closer
> >form me too. I don't think that RF parts VK is the
> same as RF parts in the
> >US but its worth a try. Makes it nice and easy for
> a straight cable
> >connect. I wasn't sure if that was the case.
> >
> >Down loading the files from www.mods.dk right now.
> >
> >Thanks for the help.
> >
> >Adam VK4KSS
> >
> >
> >
>
>_____
>
>_____
> >
> >Message: 4
> > Date: Fri, 6 Feb 2004 05:29:45 -0800 (PST)

> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: Re: [spam] TS-820 ALC & Low Receive
> >
> >It's the antenna coil.
> >
> >Also, the S meter going up with RF gain is normal.
> >
> >Consider the RF gain actually is an "AGC Threshold"
> >control, not true RF gain, and it starts to make
> >better sense; as you increase the threshold, the
> meter
> >goes up to show you what strength of signal is
> needed
> >to go "into" AGC action.
> >
> >bill
> >--- Wayne <wcbak38@...> wrote:
> > > Hi Bill
> > > The ALC problem occurs when I turn the RF knob,
> not
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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1277. Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 18:36:29 UTC
From: Wayne
Topic: 1268 Message: 1277

Hi Bill
If I had taken time an looked at the circuit diagram before posting
my previous message I would have seen that it was the antenna coil!!!
Do you know what value it is, the manual lists it by part number
only (Item L8 Part No. L34-0542-05)?
Looks like it is going to be interesting to take the coil pack board
out of unit!

Thanks for info on the RF gain and the impact on ALC readings. Good
to know that all is well.

Wayne
VK2JKK
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> It's the antenna coil.
>
> Also, the S meter going up with RF gain is normal.
>
> Consider the RF gain actually is an "AGC Threshold"
> control, not true RF gain, and it starts to make
> better sense; as you increase the threshold, the meter
> goes up to show you what strength of signal is needed
> to go "into" AGC action.
>
> bill

1278. Re: [TS-520_820_530_830] Digest Number 321

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 18:26:30 UTC
From: Brett J. Van Sciver
Topic: 1275 Message: 1278

Bill,
My lamps do just that when I xmit with my 530S. They are located 1 floor above my shack almost directly overhead. The phenomenon occurs when I use a random wire or an inverted vee which is only about 15 feet away or so (outside). I have no other problems/symptoms. In fact, I assumed this was normal until I read this post.

Thanks,
Brett
BTW, wonderful group, glad I joined.
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, February 06, 2004 1:14 PM
Subject: RE: [TS-520_820_530_830] Digest Number 321

Are any of the neighbors' touch lamps acting up when
you transmit?

bill

--- Dave Greene <oneofthedawgs@...> wrote:
> Hi,
>
> I'm experiencing a weird phenomenon with my 830S
> when operating CW
> semi-breakin on 80M. This happens every once in a
> while. I'll switch to
> 80, and it will sound noisy, not just static, but
> more like a warbling
> static that varies in tone and strength from S3 to
> S7.
>
> Whenever I hit the key and transmit, then let up and
> the receiver comes
> back, the noise disappears completely momentarily,
> then builds back up in
> strength. When it disappears there is just a normal
> low level pure statis
> sound, maybe S1 or S2.
>
> I originally thought this was just the receiver
> recovering. But last night
> I was operating with a guy who was also doing
> break-in, so we were goign
> back and forth in short spurts of transmitting.
> Often we were doubling up.

> I noticed when I let up on my key, that weird noise
> dropped off, but his
> signal strength remained S8 constantly.
>
> So basically, the signal to noise ratio is much
> higher on my rig immediately
> after the receiver is switched back on, then drops.
> What could cause that?
> Some weird static discharge off the antenna or
> transmission line every time
> RF is applied??
>
> Dave
>
> ps. running 830S barefoot to MFJ tuner, tuner to a
> random wire.
>
>
> >From: TS-520_820_530_830@yahoogroups.com
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: [TS-520_820_530_830] Digest Number 321
> >Date: 6 Feb 2004 16:12:31 -0000
> >
> >
> >There are 4 messages in this issue.
> >
> >Topics in this digest:
> >
> > 1. Re: [spam] TS-820 ALC & Low Receive
> > From: "Wayne" <wcbak38@...>
> > 2. Re: VFO male plug + cable info
> > From: james27613@...
> > 3. Re: VFO male plug + cable info
> > From: VK4KSS <radio@...>
> > 4. Re: Re: [spam] TS-820 ALC & Low Receive
> > From: Bill K0ZL <coorsbill@...>
> >
> >
>
>____
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> >
> >Message: 1
> > Date: Fri, 06 Feb 2004 04:03:19 -0000
> > From: "Wayne" <wcbak38@...>
> >Subject: Re: [spam] TS-820 ALC & Low Receive
> >
> >Hi Bill

> >The ALC problem occurs when I turn the RF knob, not
> the AF gain as
> >stated in the previous posting. I need to read what
> is written on
> >the face of the radio!!!
> >The coil you refer to for 160m, is that the mix or
> antenna coil or
> >both.
> >
> >Thanks for the information. I will have to see if I
> can chase up a
> >new coil. Will check the solder joints first as
> this set has
> >suffered from a few dry joints.
> >
> >Regards
> >Wayne VK2JKK
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> ><coorsbill@y...> wrote:
> > > The little RF coil/transformer for 160 meters is
> > > open.. this is the one that you tweak on 160,
> it's
> > > also used as a transformer on all the other
> bands. The
> > > reason the upper bands work a little better is
> they
> > > are capacitively coupling through the bad
> transformer.
> > >
> > > On the AF problem, are you sure that the outer
> > > (silver) knob, which is RF gain, is not turning
> with
> > > the inner (AF gain) knob?
> > >
> > >
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> >
> >Message: 2
> > Date: Fri, 06 Feb 2004 04:29:04 +0000
> > From: james27613@...

> >Subject: Re: VFO male plug + cable info
> >
> >Hi Adam, aka Gecko Man,
> >
> >The cable is 1-1 2-2 etc. pin 7 is no connection.
> >Yes, you can use old tube base if you like.
> >
> >I used an old computer cable shielded and it works
> fine.
> >
> >Manual available at http://www.mods.dk no charge
> to d/l file.
> >
> >
> >Here is source for the 9 pin male plugs
> >http://www.kenwoodparts.com located in NY State
> USA
> >
> >part number to search on
> >
> >E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus
> s/h
> >not sure if they will ship to you in vk land.
> >
> >73 james
> >
> >
>
>_____
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>_____
> >
> >Message: 3
> > Date: Fri, 06 Feb 2004 14:48:16 +1000
> > From: VK4KSS <radio@...>
> >Subject: Re: VFO male plug + cable info
> >
> >Thanks James et al
> >
> >I will check with Kenwood in Sydney for the plug.
> Have managed to find an
> >RF Parts outlet in Brisbane as well, they might
> stock it... would be closer
> >form me too. I don't think that RF parts VK is the
> same as RF parts in the
> >US but its worth a try. Makes it nice and easy for
> a straight cable
> >connect. I wasn't sure if that was the case.
> >
> >Down loading the files from www.mods.dk right now.

> >
> >Thanks for the help.
> >
> >Adam VK4KSS
> >
> >
> >
>
>____
>
>____
> >
> >Message: 4
> > Date: Fri, 6 Feb 2004 05:29:45 -0800 (PST)
> > From: Bill K0ZL <coorsbill@...>
> >Subject: Re: Re: [spam] TS-820 ALC & Low Receive
> >
> >It's the antenna coil.
> >
> >Also, the S meter going up with RF gain is normal.
> >
> >Consider the RF gain actually is an "AGC Threshold"
> >control, not true RF gain, and it starts to make
> >better sense; as you increase the threshold, the
> meter
> >goes up to show you what strength of signal is
> needed
> >to go "into" AGC action.
> >
> >bill
> >--- Wayne <wcbak38@...> wrote:
> > > Hi Bill
> > > The ALC problem occurs when I turn the RF knob,
> not
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1279. Re: [TS-520_820_530_830] Drift trio ts-530s +quirck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 19:33:18 UTC
From: william stephenson
Topic: 1274 Message: 1279

Bob,
i live in Manchester and my noise level on 160/80/40 is allways
around S7/8 , on the higher bands
it's not so bad. In the UK there is a real problem with electrical noise, we
all live on top of one another
every body has a house full of TV's DVD players videos not to mention
fridges freezers etc etc.
As to your drift on switch on i would say it was execptable, but stand to be
corrected,
the handbook says within 100hz during any 30 minute period after warm up,
then within 1khz during the first hour after
1 minute of warm up.

Cheers for now

Bill G4KKI
----- Original Message -----
From: "blobby12uk" <g7jhw@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, February 06, 2004 5:13 PM
Subject: [TS-520_820_530_830] Drift trio ts-530s +quirck

> Just a minor concern,but is 100 to 200hz drift after switch on
> acceptable .Fifteen minutes later perfectly stable.
> Also after a strong signal disappears I notice a slight kick as the S
> meter drops back to 0,this is only noticable when the antenna is
> disconnected or I have the attenuator on.The noise level otherwise
> keeps the needle above the point where it happens,about s3.
> Another way of describing the affect is that the meter drops back at
> a certain rate ,quicky slows at 3thenreturns to the original rate to
> 0.
> I know it is not a mechanical fault with the meter.
> Is this just a quirck of these sets.
> Further I always get between 5 to 8 s points of noise on all bands
> with rf gain on max and att off.Is this about right because I am used
> to ic706mk11g giving a bit less ,especially on the higher bands.The s
> meter does sit at 0 with no input.
> The reason I am asking this I have never seen another set of this
> type to compare with.
> Bob/G7JHW
>
>
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> Yahoo! Groups Links
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1280. Re: [TS-520_820_530_830] Digest Number 321

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 20:28:30 UTC
From: Bill K0ZL
Topic: 1275 Message: 1280

OK the lamps are QRMing your rig! Then, when they turn
on and off, it changes the frequency of the cheap
multivibrator circuit in the lamps; that's why the
interference seems to come and go.

Put some ferrite on your lamps' power cords.

b

--- "Brett J. Van Sciver" <k2aaa@...> wrote:
> Bill,
> My lamps do just that when I xmit with my 530S.
> They are located 1 floor above my shack almost
> directly overhead. The phenomenon occurs when I use
> a random wire or an inverted vee which is only about
> 15 feet away or so (outside). I have no other
> problems/symptoms. In fact, I assumed this was
> normal until I read this post.
>
> Thanks,
> Brett
> BTW, wonderful group, glad I joined.
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Friday, February 06, 2004 1:14 PM
> Subject: RE: [TS-520_820_530_830] Digest Number
> 321
>
>
> Are any of the neighbors' touch lamps acting up
> when
> you transmit?
>
> bill
>
> --- Dave Greene <oneofthedawgs@...> wrote:
> > Hi,
> >
> > I'm experiencing a weird phenomenon with my 830S
> > when operating CW
> > semi-breakin on 80M. This happens every once in
> a
> > while. I'll switch to
> > 80, and it will sound noisy, not just static,
> but

> > more like a warbling
> > static that varies in tone and strength from S3
> to
> > S7.
> >
> > Whenever I hit the key and transmit, then let up
> and
> > the receiver comes
> > back, the noise disappears completely
> momentarily,
> > then builds back up in
> > strength. When it disappears there is just a
> normal
> > low level pure statis
> > sound, maybe S1 or S2.
> >
> > I originally thought this was just the receiver
> > recovering. But last night
> > I was operating with a guy who was also doing
> > break-in, so we were goign
> > back and forth in short spurts of transmitting.
> > Often we were doubling up.
> > I noticed when I let up on my key, that weird
> noise
> > dropped off, but his
> > signal strength remained S8 constantly.
> >
> > So basically, the signal to noise ratio is much
> > higher on my rig immediately
> > after the receiver is switched back on, then
> drops.
> > What could cause that?
> > Some weird static discharge off the antenna or
> > transmission line every time
> > RF is applied??
> >
> > Dave
> >
> > ps. running 830S barefoot to MFJ tuner, tuner
> to a
> > random wire.
> >
> >
> > >From: TS-520_820_530_830@yahoogroups.com
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: [TS-520_820_530_830] Digest Number 321
> > >Date: 6 Feb 2004 16:12:31 -0000
> > >
> > >

> > >There are 4 messages in this issue.
> > >
> > >Topics in this digest:
> > >
> > > 1. Re: [spam] TS-820 ALC & Low Receive
> > > From: "Wayne" <wcbak38@...>
> > > 2. Re: VFO male plug + cable info
> > > From: james27613@...
> > > 3. Re: VFO male plug + cable info
> > > From: VK4KSS <radio@...>
> > > 4. Re: Re: [spam] TS-820 ALC & Low
> Receive
> > > From: Bill K0ZL
> <coorsbill@...>
> > >
> > >
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> > >
> > >Message: 1
> > > Date: Fri, 06 Feb 2004 04:03:19 -0000
> > > From: "Wayne" <wcbak38@...>
> > >Subject: Re: [spam] TS-820 ALC & Low Receive
> > >
> > >Hi Bill
> > >The ALC problem occurs when I turn the RF knob,
> not
> > the AF gain as
> > >stated in the previous posting. I need to read
> what
> > is written on
> > >the face of the radio!!!
> > >The coil you refer to for 160m, is that the mix
> or
> > antenna coil or
> > >both.
> > >
> > >Thanks for the information. I will have to see
> if I
> > can chase up a
> > >new coil. Will check the solder joints first as
> > this set has
> > >suffered from a few dry joints.
> > >

> > >Regards
> > >Wayne VK2JKK
> > >
> > >
> > >
> > >--- In TS-520_820_530_830@yahoogroups.com, Bill
> > K0ZL
> > ><coorsbill@y...> wrote:
> > > > The little RF coil/transformer for 160
> meters is
> > > > open.. this is the one that you tweak on
> 160,
> > it's
> > > > also used as a transformer on all the other
> > bands. The
> > > > reason the upper bands work a little better
> is
> > they
> > > > are capacitively coupling through the bad
> > transformer.
> > > >
> > > > On the AF problem, are you sure that the
> outer
> > > > (silver) knob, which is RF gain, is not
> turning
> > with
> > > > the inner (AF gain) knob?
> > > >
> > > >
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> > >
> > >Message: 2
> > > Date: Fri, 06 Feb 2004 04:29:04 +0000
> > > From: james27613@...
> > >Subject: Re: VFO male plug + cable info
> > >
> > >Hi Adam, aka Gecko Man,
> > >
> > >The cable is 1-1 2-2 etc. pin 7 is no
> connection.

> > >Yes, you can use old tube base if you like.
> > >
> > >I used an old computer cable shielded and it
> works
> > fine.
> > >
> > >Manual available at http://www.mods.dk no
> charge
> > to d/l file.
> > >
> > >
> > >Here is source for the 9 pin male plugs
> > >http://www.kenwoodparts.com located in NY
> State
> > USA
> > >
> > >part number to search on
> > >
> > >E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04
> plus
>
=== message truncated ===

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1281. Re: [TS-520_820_530_830] Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 20:29:22 UTC
From: Bill K0ZL
Topic: 1268 Message: 1281

I will have to check on the number.

You do not have to remove the coil pack board. You
will have to gain access underneath it; there is an
access cover, once you remove the counter/pll/vco
mess.

b

--- Wayne <wcbak38@...> wrote:
> Hi Bill
> If I had taken time an looked at the circuit diagram
> before posting
> my previous message I would have seen that it was
> the antenna coil!!!
> Do you know what value it is, the manual lists it by
> part number
> only (Item L8 Part No. L34-0542-05)?
> Looks like it is going to be interesting to take the
> coil pack board
> out of unit!
>
> Thanks for info on the RF gain and the impact on ALC
> readings. Good
> to know that all is well.
>
> Wayne
> VK2JKK
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > It's the antenna coil.
> >
> > Also, the S meter going up with RF gain is normal.
> >
> > Consider the RF gain actually is an "AGC
> Threshold"
> > control, not true RF gain, and it starts to make
> > better sense; as you increase the threshold, the
> meter
> > goes up to show you what strength of signal is
> needed
> > to go "into" AGC action.
> >
> > bill
>

>
>

=====

"If in doubt, MODIFY" --k0zl

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1282. Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 22:05:21 UTC
From: Wayne
Topic: 1268 Message: 1282

Have been able to remove the coil and it checks out ok with a
multimeter. A short between the appropraite pins.
The associated coils L24/25 also check out ok.
Realised that access could be gained reasonably easy after taking
the case fully off.
Is this a case where checking with a multimeter is not practical or
should I look elsewhere?

Wayne
VK2JKK

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> I will have to check on the number.
>
> You do not have to remove the coil pack board. You
> will have to gain access underneath it; there is an
> access cover, once you remove the counter/pll/vco
> mess.
>
> b

1283. transverter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 23:00:36 UTC
From: Nigel
Topic: 1283 Message: 1283

hi does anyone know whether it is
possible to use a transverter with
the ts530sp.I know that the 830's
are meant to be good to use with
transverters but was wondering about
the 530.i would like to try a 4m and
6m transverter with it but not sure
where to go for advice.Any comments
would be most welcome.all the best
from nigel m0dbo

1284. KEYING L-4B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-06 23:58:37 UTC
From: Walter Milton
Topic: 1284 Message: 1284

Hi,

I am looking for the pin out from the remote socket to key an L-4B amp. Has anyone made a cable to key this amp? If so would you mind sharing just what pins you used. Ameritron used to make a interface cable for the TS-820. They have since discontinued it. I have an Ameritron ARB-704 interface box. I would like to make a cable to interface it with the TS-830S.

Thanks,
Walt., KA2NJF
Psalm 1
A child of the living God

1285. Re: [TS-520_820_530_830] Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-07 03:34:08 UTC
From: Bill K0ZL
Topic: 1268 Message: 1285

A bad winding would have read infinite. No, you done
good there... hmmm

doubt the RF amp is bad.

Any coils tuning wierd or not at all?
b

--- Wayne <wcbak38@...> wrote:
> Have been able to remove the coil and it checks out
> ok with a
> multimeter. A short between the appropraite pins.
> The associated coils L24/25 also check out ok.
> Realised that access could be gained reasonably easy
> after taking
> the case fully off.
> Is this a case where checking with a multimeter is
> not practical or
> should I look elsewhere?
>
> Wayne
> VK2JKK
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > I will have to check on the number.
> >
> > You do not have to remove the coil pack board.
> You
> > will have to gain access underneath it; there is
> an
> > access cover, once you remove the counter/pll/vco
> > mess.
> >
> > b
>
>
>

=====

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1286. test delete

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-07 08:58:28 UTC
From: David A. Echols
Topic: 1286 Message: 1286

[Body unavailable in the source archive]

1287. Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-07 19:33:12 UTC
From: Wayne
Topic: 1268 Message: 1287

Everything feels fine when the coils are tuned.
Have previously checked the meter cal. and it is ok.
Low recieved predominantly on 80 and 160m as stated earlier.

Wayne

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> A bad winding would have read infinite. No, you done
> good there... hmmm
>
> doubt the RF amp is bad.
>
> Any coils tuning wierd or not at all?
> b

1288. Re: [TS-520_820_530_830] Re: [spam] TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-07 19:50:40 UTC
From: Bill K0ZL
Topic: 1268 Message: 1288

I will have to look at the skem to see what would be
doing that. Wierd.

b

--- Wayne <wcbak38@...> wrote:
> Everything feels fine when the coils are tuned.
> Have previously checked the meter cal. and it is ok.
> Low recieved predominantly on 80 and 160m as stated
> earlier.
>
> Wayne
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > A bad winding would have read infinite. No, you
> done
> > good there... hmmm
> >
> > doubt the RF amp is bad.
> >
> > Any coils tuning wierd or not at all?
> > b
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1289. ts-530 max output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-08 17:20:19 UTC
From: blobby12uk
Topic: 1289 Message: 1289

Into a dummy load I have been checking the max output on each band.I
have noticed that output is between 115w to 100w+ on top band through
10m,except 40m where the output is lower ,about 95watts.
I have tweaked the rx and tx coils according the service manual.
Any comments to what this may be.
Regards
Bob/g7jhw

1290. Re: [TS-520_820_530_830] ts-530 max output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-08 20:09:06 UTC
From: Bill K0ZL
Topic: 1289 Message: 1290

Usually it's the opposite, lower on ten meters.

I wouldn't not be overly concerned

b

--- blobby12uk <g7jhw@...> wrote:
> Into a dummy load I have been checking the max
> output on each band.I
> have noticed that output is between 115w to 100w+ on
> top band through
> 10m,except 40m where the output is lower ,about
> 95watts.
> I have tweaked the rx and tx coils according the
> service manual.
> Any comments to what this may be.
> Regards
> Bob/g7jhw
>
>

=====

"If in doubt, MODIFY" --k0zl

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1291. R-820 Help! (receiver problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 13:05:01 UTC
From: yv5grb
Topic: 1291 Message: 1291

Dear Group members,
This message was posted in December,...In the meantime I resoldered every board and checked for bad transistors. Any Idea?

Dear Friends,

I inherited (a present from a VE ham) a R-820 receiver but so far I am unable to put it to work...It presents two problems, may be interrelated:

- It do not receive.
The Af and Rf control seems to work, also there is a difference between AM/CW/SSB, but no (RF)signal is received, and VFO selectivity do not work same as Calibrator signal is never heard.

- Only one digit on the digital screen.
A "0" (cero) appears on the middle of the screen,(sometimes it is a "1") thats all.

I have been checking every circuit for visual damage, checked some voltages but everything looks OK...I'm not trained in electronics (but it is fun), Im an architect...So I will verry much appreciate some help.

Thank you

Eduard (YV5GRB)
(I do not have the service manual)

1292. Re: TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 13:20:11 UTC
From: yv5grb
Topic: 1268 Message: 1292

Wayne,

I read about your problem, I'm not an experienced repairman (only an HAM and architect hi hi)but have been able to keep my Ts-820 in working conditions in a Country as Venezuela were few technicians are available (and trusty).

My problem was when I touched the AF gain knob or a strong signal came in, the RF gain fully close,... the problem was solved when i found a cold solder joint in one of the trimmers in the AF board,... I would take the board out (it is one of easy access) and resolder all the points. (also check some components)

I hope you can solve your problem

73 de Eduard

--- In TS-520_820_530_830@yahoogroups.com, "Wayne" <wcbak38@b...> wrote:
> Hi All
> I am experiencing a couple of problems with my TS820 and am
> wondering if anyone can enlighten me with regards to these
> difficulties.
> First, when the AF gain is fully wound up, the ALC works (via the
> meter)as advertised. When the AF gain is reduced from 10 on the
> scale to approx. 9 the ALC reading jumps up and then drops back to
> rest. As the AF gain is reduced further the ALC reading continues
to
> rise until the meter is full scale, where it remains.
> Is this normal or do I have a fault somewhere?
> The second issue centers on the recieve side being low. I have
> adjusted the coil pack unit (mix and antenna coils) as recommended
> in the service manual yet still find that there is anything from 4-
5
> S points difference between the Kenwood and my Icom 746, using the
> same antenna and no preamp. The TS820 is always lower in reading,
> with the difference more noticeable on the lower bands (40/80/160).
> Also, when following the manual using the marker signal as the
> source, I obtain little, if any, sort of meter reading on 80 and
> 160m. Read as barely moves off the stop, making adjustment on these
> bands difficult if not impossible. This could explain why the
> receive side is down!!!
> Any suggestions as to where to start looking?
>
> Thanks in advance.
> Wayne

> VK2JKK

1293. My two TS-520's

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 06:49:16 UTC
From: Jack Twilley
Topic: 1293 Message: 1293

I had my first TS-520 for almost a year when I accidentally applied DC power in reverse polarity. There was no visible smoke, but the radio "just broke". I eyeballed the visible components and couldn't see anything zorched, and there was no smell. When I powered it up on AC, it blew the AC fuse. So I bought another one.

This one seems to need new tubes, as I had to switch the driver tube in order to get it to tune up, and it tunes up to about half the power of the old one. It also seems to be "off" on some bands -- the peaks of RFI are shifted a few hundred kilohertz -- so I need to use the service manual to tune it up. Also, switching from TUN to CW on the second rig does nothing noticable, where on rig number one it seems to narrow the bandwidth and shift the frequency. The original rig came with a Fox-Tango CW filter, and I don't know if it's spoiled me or what.

Any help here would be deeply appreciated. I'm really hoping that all the second radio needs is tubes, tuning and TLC -- and it would be sweet if there was a failed diode on the rectifier board, or if the DC-to-DC converter had failed and I can find a spare. Thoughts? Advice? Sources for parts and tubes? :-)

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1294. Re: [TS-520_820_530_830] R-820 Help! (receiver problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 13:56:50 UTC
From: Bill K0ZL
Topic: 1291 Message: 1294

Do you have access to an oscilloscope?

You will need to check the VFO circuits for operation.

b

--- yv5grb <edresden@...> wrote:
> Dear Group members,
> This message was posted in December,...In the
> meantime I resoldered
> every board and checked for bad transistors. Any
> Idea?
>
>
> Dear Friends,
>
> I inherited (a present from a VE ham) a R-820
> receiver but so far I
> am unable to put it to work...It presents two
> problems, may be
> interrelated:
>
> - It do not receive.
> The Af and Rf control seems to work, also there is a
> difference
> between AM/CW/SSB, but no (RF)signal is received,
> and VFO selectivity
> do not work same as Calibrator signal is never
> heard.
>
> - Only one digit on the digital screen.
> A "0" (cero) appears on the middle of the
> screen,(sometimes it is
> a "1") thats all.
>
> I have been checking every circuit for visual
> damage, checked some
> voltages but everything looks OK...I'm not trained
> in electronics
> (but it is fun), Im an architect...So I will verry
> much appreciate
> some help.
>
> Thank you
>
> Eduard (YV5GRB)

> (I do not have the service manual)
>
>

=====

"If in doubt, MODIFY" --k0zl

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1295. Re: R-820 Help! (receiver problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 16:03:44 UTC
From: yv5grb
Topic: 1291 Message: 1295

Bill,

I will try,... Thanks.

73 de Eduard

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Do you have access to an oscilloscope?
>
> You will need to check the VFO circuits for operation.
>
> b
>
> --- yv5grb <edresden@c...> wrote:
> > Dear Group members,
> > This message was posted in December,...In the
> > meantime I resoldered
> > every board and checked for bad transistors. Any
> > Idea?
> >
> >
> > Dear Friends,
> >
> > I inherited (a present from a VE ham) a R-820
> > receiver but so far I
> > am unable to put it to work...It presents two
> > problems, may be
> > interrelated:
> >
> > - It do not receive.
> > The Af and Rf control seems to work, also there is a
> > difference
> > between AM/CW/SSB, but no (RF)signal is received,
> > and VFO selectivity
> > do not work same as Calibrator signal is never
> > heard.
> >
> > - Only one digit on the digital screen.
> > A "0" (cero) appears on the middle of the
> > screen,(sometimes it is
> > a "1") thats all.
> >
> > I have been checking every circuit for visual
> > damage, checked some
> > voltages but everything looks OK...I'm not trained

> > in electronics
> > (but it is fun), Im an architect...So I will verry
> > much appreciate
> > some help.
> >
> > Thank you
> >
> > Eduard (YV5GRB)
> > (I do not have the service manual)
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
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1296. Re: TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-11 23:56:51 UTC
From: Wayne
Topic: 1268 Message: 1296

Hi Eduard
Thanks for the advice. I have already been down the line of checking solder joints. All boards in the set have not been checked completed but those that have all, showed signs of granulation, cracking and or general deterioration at various points on the boards. Definitely a good point to start. I am going to change the 1.8 Mhz ant coil in the coil pack as recommend ed by Bill. It checks out ok with a meter but stranger things have happened. Hopefully that will fix the problem. If not I will have to dive deeper into the bowls of the set. HI HI.
Regards
Wayne

--- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...> wrote:
> Wayne,
>
> I read about your problem, I'm not an experienced repairman (only an
> HAM and architect hi hi)but have been able to keep my Ts-820 in
> working conditions in a Country as Venezuela were few technicians are
> available (and trusty).
>
> My problem was when I touched the AF gain knob or a strong signal
> came in, the RF gain fully close,... the problem was solved when i
> found a cold solder joint in one of the trimmers in the AF board,...
> I would take the board out (it is one of easy access) and resolder
> all the points. (also check some components)
>
> I hope you can solve your problem
>
> 73 de Eduard
>
>

1297. Re: TS-820 ALC & Low Receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-12 13:30:53 UTC
From: yv5grb
Topic: 1268 Message: 1297

Wayne,

Thanks for your answer, well... I hope to hear further about how you solved your problem. This is the nice thing about the Forums,. you learn a lot from the experience of others.

Regards,
Eduard

--- In TS-520_820_530_830@yahoogroups.com, "Wayne" <wcbak38@b...> wrote:
> Hi Eduard
> Thanks for the advice. I have already been down the line of checking
> solder joints. All boards in the set have not been checked completed
> but those that have all, showed signs of granulation, cracking and
> or general deterioration at various points on the boards. Definitely
> a good point to start. I am going to change the 1.8 Mhz ant coil in
> the coil pack as recommend ed by Bill. It checks out ok with a meter
> but stranger things have happened. Hopefully that will fix the
> problem. If not I will have to dive deeper into the bowls of the
> set. HI HI.
> Regards
> Wayne
>
> --- In TS-520_820_530_830@yahoogroups.com, "yv5grb" <edresden@c...>
> wrote:
> > Wayne,
> >
> > I read about your problem, I'm not an experienced repairman (only
> an
> > HAM and architect hi hi)but have been able to keep my Ts-820 in
> > working conditions in a Country as Venezuela were few technicians
> are
> > available (and trusty).
> >
> > My problem was when I touched the AF gain knob or a strong signal
> > came in, the RF gain fully close,... the problem was solved when i
> > found a cold solder joint in one of the trimmers in the AF
> board,...
> > I would take the board out (it is one of easy access) and resolder

> > all the points. (also check some components)
> >
> > I hope you can solve your problem
> >
> > 73 de Eduard
> >
> >

1298. 520 SE/ transistor pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 01:09:22 UTC
From: Jonathan
Topic: 1298 Message: 1298

I pulled the VFO out of my radio to clean and give it a check up ....I have a 100cycle drift and decided to replace Q1 on the VFO board to see if I could stop it. My problem is this, the original mosfet (3sk22-y) crosses to a NTE 222 which also crosses to a RCA 3N0204(which I have 10 brand new ones) can anyone give me a picture of the pinout for the RCA dual gate mosfet? I sure hate to throw 10 brand new transistors out ....or tear my radio down again..:(
Jon/KD7VEO

1299. 520SE/VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 06:37:32 UTC
From: Jonathan
Topic: 1299 Message: 1299

Bill,
I got the VFO out of my radio.....trying to figure out what contacts need cleaning. I don't really see anything inside the case to spray cleaner on.....
Thanks
Jon

1300. Re: [TS-520_820_530_830] 520SE/VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 12:51:07 UTC
From: Bill K0ZL
Topic: 1299 Message: 1300

Look at the rear bearing and wiper of the variable capacitor... should have some old dried up grease on it.

You can either drip some cleaner in there or add one drop of thin oil, sewing machine or 10W... hook the VFO up hanging outside the rig, cover off, and turn on the calibrator; run the vfo from one end to the other, listening to the heterodyne "sweeps". Clean the wiper until the sweeps are clean and smooth.

b

--- Jonathan <shippyyohann2000@...> wrote:
> Bill,
> I got the VFO out of my radio.....trying to figure
> out what contacts
> need cleaning. I don't really see anything inside
> the case to spray
> cleaner on.....
> Thanks
> Jon
>
>

=====

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1301. Re: [TS-520_820_530_830] 520SE/VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 12:53:13 UTC
From: Bill K0ZL
Topic: 1299 Message: 1301

Look at the rear bearing and wiper of the variable capacitor... should have some old dried up grease on it.

You can either drip some cleaner in there or add one drop of thin oil, sewing machine or 10W... hook the VFO up hanging outside the rig, cover off, and turn on the calibrator; run the vfo from one end to the other, listening to the heterodyne "sweeps". Clean the wiper until the sweeps are clean and smooth.

b

--- Jonathan <shippyyohann2000@...> wrote:
> Bill,
> I got the VFO out of my radio.....trying to figure
> out what contacts
> need cleaning. I don't really see anything inside
> the case to spray
> cleaner on.....
> Thanks
> Jon
>
>

=====

"If in doubt, MODIFY" --k0zl

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1302. Re: 520SE/VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 15:39:04 UTC
From: Jonathan
Topic: 1299 Message: 1302

```
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Look at the rear bearing and wiper of the variable
> capacitor... should have some old dried up grease on
> it.
>
> You can either drip some cleaner in there or add one
> drop of thin oil, sewing machine or 10W... hook the
> VFO up hanging outside the rig, cover off, and turn on
> the calibrator; run the vfo from one end to the other,
> listening to the heterodyne "sweeps". Clean the wiper
> until the sweeps are clean and smooth.

Thanks Bill,
Will do.

Jon
```

1303. Re: 520 SE/ transistor pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 21:27:11 UTC
From: Jonathan
Topic: 1298 Message: 1303

--- In TS-520_820_530_830@yahoogroups.com, "Jonathan"
<shippyyohann2000@y...> wrote:
> I pulled the VFO out of my radio to clean and give it a check
> up ....I have a 100cycle drift and decided to replace Q1 on the
VFO
> board to see if I could stop it. My problem is this, the original
> mosfet (3sk22-y) crosses to a NTE 222 which also crosses to a RCA
> 3N0204(which I have 10 brand new ones) can anyone give me a
picture
> of the pinout for the RCA dual gate mosfet? I sure hate to throw
10
> brand new transistors out ....or tear my radio down again..:(
> Jon/KD7VEO

In reply to my own message hi hi.....the RCA should be a 3N204 and I tried it and it didn't work....I found the pinout for it and the hookup amounted to a game of "Twister" I spaghettied the legs but even though it was supposed to be compatible, it wasn't. If anyone has any original Toshiba 3SK22-Y or has found a source for them...please let me know. I cleaned the VFO, put back the old transistor, so far so good.
Jon/KD7VEO

Jon/KD7VEO

1304. [TS-520_820_530_830] Help with first qso's TS530 Tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-14 15:43:20 UTC
From: KennyMac
Topic: 1299 Message: 1304

I am a brand new General...I know just enough to be dangerous...

I sure appreciate the help...here is what I have done...

I purchased a TS530 on ebay, no manual, and it appears to be in fantastic condition. Ditto for an AT200 tuner. I am using a G5RV slinky.

I have made one quick qso with a gentleman from Southfield, MI (about 60 miles north) so I know the tx does work.

I am assuming that the LOAD is what determines my power out? So I make sure I have it turned down or make sure I'm on a clean frequency...even when I crank it I can only seem to get the meter to peak at roughly 40W but I'm not even sure if that is bad or good because I am assuming my tuner's power meter is showing average power not peak...I do know to peak the Ip low and the RF high by adjusting the plate. As well as peaking the ALC using DRIVE. What does the DRIVE do? What does the PLATE do for that matter?

I have a long ground aluminum cable running from my upstairs shack to down below. About 40 feet I would guess. I am going to hammer a ground pole this weekend(I have no other choice for ground right now...) The tuner is grounded to the TS530. My antenna is a slinky G5RV and is up as an inverted V about 20 feet off the ground. It is being fed by TV ladder line. The V isn't at a very wide angle yet. I am still figuring out the idiosyncrasies of antenna / tuner / rig operation...

I would love to figure this out and make a qso one of these days. I am afraid I might as well purchase some new finals once I figure all of this out. I am assuming I need to do a lot of antenna manipulation still. The tuner is all over the board as far as SWR... and as I adjust my PLATE my SWR can go through the roof, but I don't know how much is the fact that I don't know what I'm doing or something in the equipment is haywire...I do know that when I key the mic and set to swr and calibrate I can peg the needle (they say to max it out, but that sometimes means burying the meter...) which don't seem right...

Any pointers would be much appreciated.

I'm Ken from Ottawa Lake, MI just north of Toledo by the way...nice to make your acquaintances.

Thanks again
Ken
KC8YYC

1305. Re: [TS-520_820_530_830] Help with first qso's TS530 Tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-15 01:30:08 UTC
From: Bill K0ZL
Topic: 1299 Message: 1305

Peak ALC in TUNE mode, reducing CAR as needed to keep
ALC in scale. Then switch to CW mode and tune PLATE
and LOAD for max output or max RF on the meter. Don't
mess with the tuner; the 530 doesn't need it with the
G5RV. Just tune for max output.

Have fun and don't worry too much about it.

b

--- KennyMac <killmodell@...> wrote:
>
>
> I am a brand new General...I know just enough to be
> dangerous...
>
> I sure appreciate the help...here is what I have
> done...
>
> I purchased a TS530 on ebay, no manual, and it
> appears to be in
> fantastic condition. Ditto for an AT200 tuner. I am
> using a G5RV slinky.
>
> I have made one quick qso with a gentleman from
> Southfield, MI (about 60
> miles north) so I know the tx does work.
>
>
> I am assuming that the LOAD is what determines my
> power out? So I make
> sure I have it turned down or make sure I'm on a
> clean frequency...even
> when I crank it I can only seem to get the meter to
> peak at roughly 40W
> but I'm not even sure if that is bad or good because
> I am assuming my
> tuner's power meter is showing average power not
> peak...I do know to
> peak the Ip low and the RF high by adjusting the
> plate. As well as
> peaking the ALC using DRIVE. What does the DRIVE do?
> What does the PLATE
> do for that matter?
>
> I have a long ground aluminum cable running from my

> upstairs shack to
> down below. About 40 feet I would guess. I am going
> to hammer a ground
> pole this weekend(I have no other choice for ground
> right now...) The
> tuner is grounded to the TS530. My antenna is a
> slinky G5RV and is up as
> an inverted V about 20 feet off the ground. It is
> being fed by TV ladder
> line. The V isn't at a very wide angle yet. I am
> still figuring out the
> idiosyncrasies of antenna / tuner / rig operation...
>
> I would love to figure this out and make a qso one
> of these days. I am
> afraid I might as well purchase some new finals once
> I figure all of
> this out. I am assuming I need to do a lot of
> antenna manipulation
> still. The tuner is all over the board as far as
> SWR... and as I adjust
> my PLATE my SWR can go through the roof, but I don't
> know how much is
> the fact that I don't know what I'm doing or
> something in the equipment
> is haywire...I do know that when I key the mic and
> set to swr and
> calibrate I can peg the needle (they say to max it
> out, but that
> sometimes means burying the meter...) which don't
> seem right...
>
> Any pointers would be much appreciated.
>
> I'm Ken from Ottawa Lake, MI just north of Toledo by
> the way...nice to
> make your acquaintances.
>
> Thanks again
> Ken
> KC8YYC
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1306. Re: [TS-520_820_530_830] Help with first qso's TS530 Tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-15 01:30:15 UTC
From: Bill K0ZL
Topic: 1299 Message: 1306

Peak ALC in TUNE mode, reducing CAR as needed to keep
ALC in scale. Then switch to CW mode and tune PLATE
and LOAD for max output or max RF on the meter. Don't
mess with the tuner; the 530 doesn't need it with the
G5RV. Just tune for max output.

Have fun and don't worry too much about it.

b

--- KennyMac <killmodell@...> wrote:
>
>
> I am a brand new General...I know just enough to be
> dangerous...
>
> I sure appreciate the help...here is what I have
> done...
>
> I purchased a TS530 on ebay, no manual, and it
> appears to be in
> fantastic condition. Ditto for an AT200 tuner. I am
> using a G5RV slinky.
>
> I have made one quick qso with a gentleman from
> Southfield, MI (about 60
> miles north) so I know the tx does work.
>
>
> I am assuming that the LOAD is what determines my
> power out? So I make
> sure I have it turned down or make sure I'm on a
> clean frequency...even
> when I crank it I can only seem to get the meter to
> peak at roughly 40W
> but I'm not even sure if that is bad or good because
> I am assuming my
> tuner's power meter is showing average power not
> peak...I do know to
> peak the Ip low and the RF high by adjusting the
> plate. As well as
> peaking the ALC using DRIVE. What does the DRIVE do?
> What does the PLATE
> do for that matter?
>
> I have a long ground aluminum cable running from my

> upstairs shack to
> down below. About 40 feet I would guess. I am going
> to hammer a ground
> pole this weekend(I have no other choice for ground
> right now...) The
> tuner is grounded to the TS530. My antenna is a
> slinky G5RV and is up as
> an inverted V about 20 feet off the ground. It is
> being fed by TV ladder
> line. The V isn't at a very wide angle yet. I am
> still figuring out the
> idiosyncrasies of antenna / tuner / rig operation...
>
> I would love to figure this out and make a qso one
> of these days. I am
> afraid I might as well purchase some new finals once
> I figure all of
> this out. I am assuming I need to do a lot of
> antenna manipulation
> still. The tuner is all over the board as far as
> SWR... and as I adjust
> my PLATE my SWR can go through the roof, but I don't
> know how much is
> the fact that I don't know what I'm doing or
> something in the equipment
> is haywire...I do know that when I key the mic and
> set to swr and
> calibrate I can peg the needle (they say to max it
> out, but that
> sometimes means burying the meter...) which don't
> seem right...
>
> Any pointers would be much appreciated.
>
> I'm Ken from Ottawa Lake, MI just north of Toledo by
> the way...nice to
> make your acquaintances.
>
> Thanks again
> Ken
> KC8YYC
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1307. MC-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-15 03:01:18 UTC
From: Kyle
Topic: 1307 Message: 1307

Hi group:
Last time I wrote in (first time) I announced that I was going to keep my TS-520 instead of buying a new rig. I had no accesories also. I do not have any hf experience or ever had my TS and up and running.
Well I got everything now except the VFO-520 (till tuesday anyway).
I even got the AT-200 tuner! In the past every time I ever looked for accesories I never could find any. Now I find them everywhere!
Everything I got so far is in "mint" condition, except for the MC-50 mic.
I won it off of E Bay. I know you take a chance on buying things from there.
I got the mic today. It looks great but I heard something rattling around inside the base. I took the cover plate off (one missing screw) and I found a lead fishing weight inside?? I also noticed the wiring (four wires) was cannabalized (spliced) with bare wires showing (nothing to keep them from short circuiting). I`m kinda mad! The person who sold it advertised "mint" condition and works great! Can`t wait for his response.
My question to the group is:
Why in the name of blazes would anyone cut up the wires inside of a mic for?
And what`s up with the fishing weight? I often heard of the TS-520 being called a boat anchor but I didn`t take it literaly?
The mic came with a homebrew
four-to-eight pin adapter, so you can use it on different radios. My next question is that don`t older radios (like my ts) and newer ones require different microphones? Something to do with ohms?
Thanks for listening to me rant & rave.
73`s Kyle n0mkh

1308. Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-15 20:26:02 UTC
From: Jonathan
Topic: 1308 Message: 1308

Cleaning the VFO didn't help still have the same problem...100 to 200 cycle drift after warmup. If you know where I can find a 3SK22 (Y) transistor...or a compatible replacement(not NTE or RCA) please let me know.
Jon

1309. Re: [TS-520_820_530_830] Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-15 22:44:56 UTC
From: Mike AB8Pk
Topic: 1308 Message: 1309

Hi Jon,
Maybe these folks can help!
http://www.globalpartssupply.com/Transistor6.htm

Mike ab8pk

Jonathan <shippyyohann2000@...> wrote:
Cleaning the VFO didn't help still have the same problem...100 to
200 cycle drift after warmup. If you know where I can find a 3SK22
(Y) transistor...or a compatible replacement(not NTE or RCA) please
let me know.
Jon

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[Non-text portions of this message have been removed]

1310. Re: Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 05:38:03 UTC
From: Jonathan
Topic: 1308 Message: 1310

--- In TS-520_820_530_830@yahoogroups.com, Mike AB8Pk <ab8pk@y...>
wrote:
> Hi Jon,
> Maybe these folks can help!
> http://www.globalpartssupply.com/Transistor6.htm
>
> Mike ab8pk

Thanks Mike! This link might also help a problem I have finding
parts for another obselete radio I have(yes I am a glutton for
punishment) hi hi...a HW-9
Jon/KD7VEO

1311. Thanks - TS-520 VFO male plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 10:02:04 UTC
From: vk4kss
Topic: 1271 Message: 1311

Hi all,

Thanks to all who replied on this topic especially James for the
Kenwood part number (E05-0901-05). Cost AU$4.55 each (including
"Johnie").

No one in Queensland stocks this plug, but Kenwood in Sydney has
(had)
4 of them. As it turns out these have been sitting on the shelf for
some time, the last time someone purchased them was in 1989(!!!)

I have taken the last 4 they have, as I know a friend who has been
after them for some time as well, so I grabbed a pair for him too.

One other "possible" source in VK (for those that are interested) is
Panapex Pty Ltd in Chatswood (also in Sydney) Phone +61 2 9410 9933.
Apparently they stock SATO components.

Again Many thanks

73 Adam VK4KSS

P.S. For those that don't know, "Johnie" is slang for Goods &
Services
Tax (GST). John Howard our current Prime Minister was the one who
introduced GST hence the term "Johnie" or "Johnie Tax".

1312. LSB not working on TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 01:56:53 UTC
From: Steve
Topic: 1312 Message: 1312

I have a TS-530S and the LSB mode is not working. When I switch the MODE control to LSB, the receiver cuts out and the frequency LED display no longer illuminates. The meter and VFO lamps stay on. I am not able to transmit either. However, USB, CW, and TUNE positions work fine (transmit and receive).

I thought it could be a dirty or bad connection on the MODE switch. Looking at the schematic there are about five or six functions that the MODE switch handles. In all but one the LSB connection on the switch goes through USB. The one that doesn't leads to the PLL board. I checked for conductivity on the switch and it seems to function ok connecting the PLL to the LSB path on the switch, then no conductivity when I turn the MODE switch to USB or CW.

There's not much unique on th PLL board between LSB and USB before they meet, just a couple crystals. Again, USB works fine. Visually I can't see any problem on the PLL board where LSB meets and I probed around for conductivity, which may not tell me if a crystal is bad, for example.

I can't figure out why the frequency display cuts out when I select LSB.

Any leads on what could be wrong with my rig? Thanks in advance for any suggestions.

73,
Steve
WD5GXO/8

1313. Re: Help with first qso's TS530 Tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 01:43:16 UTC
From: Steve
Topic: 1299 Message: 1313

Ken, I own a TS-530S, too. Here's how I tune it. Set the MODE knob to TUNE, the meter control to ALC and peak the DRIVE. You might need to adjust the CAR control so you get a meter reading that will allow you to determine a peak point.

Switch the meter control to IP, keeping the MODE in TUNE, and dip the PLATE by selecting the lowest reading. Then switch the meter control to RF and peak the LOAD.

After this you could switch the MODE to CW, turn the meter control to IP again and dip the PLATE. Then, switch the meter control to RF and peak the meter by alternating the PLATE and LOAD controls. I usually adjust the CAR level so my power output is below 40 watts, and I keep the transmit to only a second or two while I strive for a peaked reading. Then I adjust the CAR level so I can get the maximum output, which is usually 100 to 125 watts. My finals date from 1981, but I probably have about 1 to 2 years of regular use on them after all these years [off the air for about 18 years during that time].

I'm near Grand Rapids, so I'll look to hear you on HF in the future. Good luck with your new rig!

73,
Steve
WD5GXO/8

1314. Re: [TS-520_820_530_830] MC-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 14:23:39 UTC
From: Bill K0ZL
Topic: 1307 Message: 1314

Kyle, I have seen stuff that would curl your hair.
This is relatively minor.

73,

bill

--- Kyle <cb750fsuperspor@...> wrote:
> Hi group:
> Last time I wrote in (first time) I announced that I
> was going to keep my TS-520 instead of buying a new
> rig. I had no accesories also. I do not have any hf
> experience or ever had my TS and up and running.
> Well I got everything now except the VFO-520 (till
> tuesday anyway).
> I even got the AT-200 tuner! In the past every time
> I ever looked for accesories I never could find any.
> Now I find them everywhere!
> Everything I got so far is in "mint" condition,
> except for the MC-50 mic.
> I won it off of E Bay. I know you take a chance on
> buying things from there.
> I got the mic today. It looks great but I heard
> something rattling around inside the base. I took
> the cover plate off (one missing screw) and I found
> a lead fishing weight inside?? I also noticed the
> wiring (four wires) was cannabalized (spliced) with
> bare wires showing (nothing to keep them from short
> circuiting). I`m kinda mad! The person who sold it
> advertised "mint" condition and works great! Can`t
> wait for his response.
> My question to the group is:
> Why in the name of blazes would anyone cut up the
> wires inside of a mic for?
> And what`s up with the fishing weight? I often heard
> of the TS-520 being called a boat anchor but I
> didn`t take it literaly?
> The mic came with a homebrew
> four-to-eight pin adapter, so you can use it on
> different radios. My next question is that don`t
> older radios (like my ts) and newer ones require
> different microphones? Something to do with ohms?
> Thanks for listening to me rant & rave.
> 73`s Kyle n0mkh
>
>

=====

"If in doubt, MODIFY" --k0zl

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1315. Re: [TS-520_820_530_830] LSB not working on TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 16:50:13 UTC
From: Bill K0ZL
Topic: 1312 Message: 1315

OK Gang,

does the 530 have separate LOs for usb/lsb, or is that
a PLL loop function?

If it's separate xtals, you just have one not
working... try changing the LO osc transistor first
before ordering a new rock. Much cheaper.

b

--- Steve <satengel@...> wrote:
> I have a TS-530S and the LSB mode is not working.
> When I switch the
> MODE control to LSB, the receiver cuts out and the
> frequency LED
> display no longer illuminates. The meter and VFO
> lamps stay on. I
> am not able to transmit either. However, USB, CW,
> and TUNE positions
> work fine (transmit and receive).
>
> I thought it could be a dirty or bad connection on
> the MODE switch.
> Looking at the schematic there are about five or six
> functions that
> the MODE switch handles. In all but one the LSB
> connection on the
> switch goes through USB. The one that doesn't leads
> to the PLL
> board. I checked for conductivity on the switch and
> it seems to
> function ok connecting the PLL to the LSB path on
> the switch, then no
> conductivity when I turn the MODE switch to USB or
> CW.
>
> There's not much unique on th PLL board between LSB
> and USB before
> they meet, just a couple crystals. Again, USB works
> fine. Visually
> I can't see any problem on the PLL board where LSB
> meets and I probed
> around for conductivity, which may not tell me if a
> crystal is bad,
> for example.

>
> I can't figure out why the frequency display cuts
> out when I select
> LSB.
>
> Any leads on what could be wrong with my rig?
> Thanks in advance for
> any suggestions.
>
> 73,
> Steve
> WD5GXO/8
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1316. Re: [TS-520_820_530_830] Re: Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 20:36:17 UTC
From: Mike AB8Pk
Topic: 1308 Message: 1316

Thanks Mike! This link might also help a problem I have finding
parts for another obselete radio I have(yes I am a glutton for
punishment) hi hi...a HW-9
Jon/KD7VEO

Your Welcome Jon! I too have a room full of obesel....I mean "Vintage Gear" hi! Right there with ya!

Mike ab8pk

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[Non-text portions of this message have been removed]

1317. Re: Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 21:44:30 UTC
From: Jim
Topic: 1308 Message: 1317

--- In TS-520_820_530_830@yahoogroups.com, "Jonathan"
<shippyyohann2000@y...> wrote:
>
> Thanks Mike! This link might also help a problem I have finding
> parts for another obselete radio I have(yes I am a glutton for
> punishment) hi hi...a HW-9
> Jon/KD7VEO

Jon,

What is a shack without some teal green rigs? My first rig after I
got my ticket was an HW-16. You know about this one, right?

http://groups.yahoo.com/group/HeathKit-Radios/

Some helpful guys there as well.

Jim
K1ZC

1318. Re: Cleaned 520SE VFO...still drifting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 23:50:08 UTC
From: Jonathan
Topic: 1308 Message: 1318

>
> Jon,
>
> What is a shack without some teal green rigs? My first rig after
I
> got my ticket was an HW-16. You know about this one, right?
>
> http://groups.yahoo.com/group/HeathKit-Radios/
>
> Some helpful guys there as well.
>
> Jim
> K1ZC

Yup, I have one(needs a little tlc which I haven't got a roundtuit
yet)....and a working 101 which I use nearly every day.

Thanks
Jon/KD7VEO

1319. WANTED

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-16 23:53:34 UTC
From: VK4KSS
Topic: 1319 Message: 1319

Hi

I'm looking for a manual for the SP-520 extension speaker. I haven't been able to source it on the Internet. I know it will probably only be a sheet of paper with a short description etc... but I would like to have it anyway.

Can anyone help with this?

A PDF file would be ideal.

73

Adam VK4KSS
(Gecko Man)

1320. Re: [TS-520_820_530_830] WANTED

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-17 00:40:27 UTC
From: Gary Commer
Topic: 1319 Message: 1320

Hi Adam

I do not know if this will help you with what you want but look at: http://www.mods.dk/ click on Kenwood on top then on manuals on the left. When it gives you the list of manuals available you will find a service manual for both the TS-520 and TS-520SE. The service manual for the TS-520 includes info for both the external VFO and external sp-520 speaker. Let me know if this helps.

73 dit dit
de Gary AF4LD
----- Original Message -----
From: VK4KSS
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, February 16, 2004 6:53 PM
Subject: [TS-520_820_530_830] WANTED

Hi

I'm looking for a manual for the SP-520 extension speaker. I haven't been able to source it on the Internet. I know it will probably only be a sheet of paper with a short description etc... but I would like to have it anyway.

Can anyone help with this?

A PDF file would be ideal.

73

Adam VK4KSS
(Gecko Man)

[Non-text portions of this message have been removed]

1321. FS TS-520S parts unit $100+shipping

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-17 04:36:48 UTC
From: Brian
Topic: 1321 Message: 1321

A friend of mine, Vince, N2VJ, wants to sell a TS-520S (if memory serves me right). Non-working order, exterior cosmetically fair to good, all the boards inside are present, internal wiring not guaranteed (he acquired this unit a few years ago and can't remember exactly what was wrong with it, it was an SK purchase).

He wants $100, prefer pickup in Sunset Beach, NC; email him and you may be able to work out terms for shipping, who knows, that's between you and him.

Contact him at his email at (his call letters at atmc dot net).

73 de Brian KG4IJR

1322. TS-520 ssb filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-18 04:00:22 UTC
From: Kyle
Topic: 1322 Message: 1322

Does the TS-520 come equiped with the trio ssb yg-3395s filter from the factory? Reason why I`m asking is that the operating manual shows a picture of one already installed and only mentions the cw filter yg-3395c has an accesory. My radio has neither. Which leads me to my second question. How or may I still aquire these filters? Can someone send me a link to a site where I may get them again? Thanks. Kyle nomkh

1323. Re: [TS-520_820_530_830] TS-520 ssb filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-18 14:39:07 UTC
From: Bill K0ZL
Topic: 1322 Message: 1323

Either Ebay, or Inrad. The inrad filters are much
better but require mounting with double-sticky tape
and short pieces of coax as they are sometimes larger
than the originals. The gain in performance is well
worth it however.

bill

--- Kyle <cb750fsuperspor@...> wrote:
> Does the TS-520 come equiped with the trio ssb
> yg-3395s filter from the factory? Reason why I`m
> asking is that the operating manual shows a picture
> of one already installed and only mentions the cw
> filter yg-3395c has an accesory. My radio has
> neither. Which leads me to my second question. How
> or may I still aquire these filters? Can someone
> send me a link to a site where I may get them again?
> Thanks. Kyle nomkh
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://antispam.yahoo.com/tools

1324. Re: TS-830S Scanned Schematic that is readable?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-20 17:16:53 UTC
From: nospamvictim
Topic: 1225 Message: 1324

W7FG is a pretty clean copy of the original with circuit descriptions and fold out schematics of accessories like ant tuner, spkr and VFO. Also includes alignment proceedure. I like to have a big fold out sheet rather than trying to chase lines back and forth between screens.

1325. Which diapole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-21 13:01:44 UTC
From: chrishosman
Topic: 1325 Message: 1325

I have a TS 820S and a Heathkit SA 2060A tuner, both given to me. I was also given the following dipole antennas:
3 band trap dipole, supposedly cut for 20/40/80 meters, a 32' dipole, a 66' dipole and one that's even longer (I haven't had a chance to measure it yet). I live in a rather small lot and have put the 3 band antenna up, but as I'm still a Tech, I haven't used anything yet. I'm wondering if it might be best to put up the longest antenna I can get in my yard and use the tuner to make it resonant on whichever band I'm wanting to work at the moment. I have one 40' tower and I suppose I can put up a second antenna at 90 degrees to the other, but I don't want to make them effect each other.

Thanks.

-Chris <><
KG4YEX

1326. Re: [TS-520_820_530_830] Which diapole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-21 15:49:47 UTC
From: f x
Topic: 1325 Message: 1326

Hi Chris,

The tuner does not make the antenna 'resonant'... only its natural length (or abbetted by inline inductors, and other loading devices.) can make it resonant. What the tuner does is convert the impedance on the feedline where it attaches to the tuner into something approximating 50 ohms for the transmitter to work into. It is a "matching unit". There are many non-resonant antennas which work quite well. Height is very important if you wish to work DX. It is the height of a dipole (or other antenna) which determines the 'launch angle' (which one wants to be low for DX) at which most of the signal leaves the antenna. For this reason, many hams with simple antennas choose the 1/4 wave vertical antenna which, operated against a good RF ground has a very low launch angle. At 40 feet, you are just over 1/2 wave on 20 meters, and just over 1/4 wave on 40, etc. On 80 meters, you have what is called a "cloud warmer"... where the radiation is going almost straight up. At 1/2 wave height above ground, your dipole major lobe will launch at about 30 degrees. The same antenna at 1 wavelength above ground will have two lobes, one at 15 degrees, one at 45 degrees to the horizon. For DX, most claim the optimum launch angle is between 15-20 degrees.

You might even consider a vertical ground plane placed on top of your 40 foot tower... something like the butternut vertical works great in that mode. Or, even one of the small beams by Cushcraft or Butternut.

The antenna farm here is: On 40, a 'bobtail curtain'... three vertical elements in phase. (height is 37 feet on three home made 2x4 masts), with a 20 meter bobtail nested in one of the legs of the 40... height 17 feet... and one semi-G5RV fed with open wire line (balanced feeders), which I can load with my MFJ tuner on any band! I have even made contacts on "top band" 160 meters with it... height is about 38 feet in the middle, with drooping ends. It was originally an 'extended double zepp for 20 meters)..I put this antenna up when I first got back on the air last year and worked 128 countries with it during one of the DX contests before the 'better' antennas were erected. So simple, and low antennas can work, and work well. But, in a pileup, you need all the help you can get for that 'new one'. Missing a 9V1 on 40 (huge pileup) this winter convinced me to finally (after 47 years as a ham) to go QRO... so, that project is underway.

I am a proponent of the best RF and DC ground you can get. I 'scalp' my lawn down to almost dirt, then lay galvanized chicken wire down. When the grass regrows, it covers the ground screen, and can be mown over. I (using acid core solder) connect the various runs of chicken wire together, and thread a few runs of copper wire which I bond to the chicken wire about every ten feet or so. At the moment, I have six eight foot ground rods, all interconnected with #4 copper (some old power company wire I got for free). The one closest to the operating position has a piece of 1 inch copper strap from the desk ground strip to the rod. A total distance of around 6 feet. The furthest ground rod is about 100 feet away, and is the one that grounds the 40 meter bobtail at the feed point, while another grounds the 20.

For my money, the 20 meter bobtail is the most overlooked antenna going. It can be built cheaply and hidden very easily. When in Ft. Worth some years back I lived where there were antenna covenants. I hid my antenna in some photina bushes, and no one ever knew it was there. (Hard to see, even if you knew where to look) I used natural supports (trees) and used copper clad steel wire. It requires two or three supports of 17 foot height, and a total length of about 67 feet... It gives 4.8 dB gain, and low angle vertically polarized radiation in a broad figure 8 pattern. Worked 158 countries on that one with no contests.

regards and good luck

NY0Y

Raleigh

chrishosman <chrishosman@...> wrote:
I have a TS 820S and a Heathkit SA 2060A tuner, both given to me. I was also given the following dipole antennas:
3 band trap dipole, supposedly cut for 20/40/80 meters, a 32' dipole, a 66' dipole and one that's even longer (I haven't had a chance to measure it yet). I live in a rather small lot and have put the 3 band antenna up, but as I'm still a Tech, I haven't used anything yet. I'm wondering if it might be best to put up the longest antenna I can get in my yard and use the tuner to make it resonant on whichever band I'm wanting to work at the moment. I have one 40' tower and I suppose I can put up a second antenna at 90 degrees to the other, but I don't want to make them effect each other.

Thanks.

-Chris <><
KG4YEX

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[Non-text portions of this message have been removed]

1327. Re: [TS-520_820_530_830] Which diapole?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-21 18:00:11 UTC
From: Bill K0ZL
Topic: 1325 Message: 1327

Put 'em all up, make 'em fit the lot; tune the
20/40/80 for your favorite parts of those bands, use
the tuner for the rest. Longer antenna can be your
SWL antenna.
b

--- chrishosman <chrishosman@...> wrote:
> I have a TS 820S and a Heathkit SA 2060A tuner, both
> given to me. I
> was also given the following dipole antennas:
> 3 band trap dipole, supposedly cut for 20/40/80
> meters, a 32' dipole,
> a 66' dipole and one that's even longer (I haven't
> had a chance to
> measure it yet). I live in a rather small lot and
> have put the 3
> band antenna up, but as I'm still a Tech, I haven't
> used anything
> yet. I'm wondering if it might be best to put up
> the longest antenna
> I can get in my yard and use the tuner to make it
> resonant on
> whichever band I'm wanting to work at the moment. I
> have one 40'
> tower and I suppose I can put up a second antenna at
> 90 degrees to
> the other, but I don't want to make them effect each
> other.
>
> Thanks.
>
> -Chris <><
> KG4YEX
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1328. Re: TS-520 ssb filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-23 05:30:06 UTC
From: Kelly
Topic: 1322 Message: 1328

I found this link for new TS-520 filters.

http://www.qth.com/inrad/TS-520.HTM

--- In TS-520_820_530_830@yahoogroups.com, "Kyle"
<cb750fsuperspor@w...> wrote:
> Does the TS-520 come equiped with the trio ssb yg-3395s filter
from the factory? Reason why I`m asking is that the operating manual
shows a picture of one already installed and only mentions the cw
filter yg-3395c has an accesory. My radio has neither. Which leads
me to my second question. How or may I still aquire these filters?
Can someone send me a link to a site where I may get them again?
Thanks. Kyle nomkh

1329. TS-820 Digital Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-22 08:53:27 UTC
From: Brian-N8AVR
Topic: 126 Message: 1329

Hello...I have searched the archives and have not seen any comments on adding the digital display option (DG-1) to the TS-820. I have also been unable to find one! Any ideas where a person could find a decent digital display. My 820 is a backup backup, but I still always thought it'd be cool to have the display kit installed. If anyone knows where a guy might find one (if possible) I'd appreciate it. I see the boxes for 520's (DG-3) on eBay but have had no luck finding the 820 kit. Thanks for the help! 73 Brian N8AVR

1330. Re: [TS-520_820_530_830] TS-820 Digital Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-23 17:02:12 UTC
From: Bill K0ZL
Topic: 126 Message: 1330

Best bet is to find a "parts" 820 with display intact.
Then you will have spare xfmr, etc to keep your
back-back running.

b

--- Brian-N8AVR <bucktechco@...> wrote:
> Hello...I have searched the archives and have not
> seen any comments
> on adding the digital display option (DG-1) to the
> TS-820. I have
> also been unable to find one! Any ideas where a
> person could find a
> decent digital display. My 820 is a backup backup,
> but I still
> always thought it'd be cool to have the display kit
> installed. If
> anyone knows where a guy might find one (if
> possible) I'd appreciate
> it. I see the boxes for 520's (DG-3) on eBay but
> have had no luck
> finding the 820 kit. Thanks for the help! 73 Brian
> N8AVR
>
>
>

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"If in doubt, MODIFY" --k0zl

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1331. Re: [TS-520_820_530_830] Re: TS-520 ssb filter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-23 17:19:11 UTC
From: Bill K0ZL
Topic: 1322 Message: 1331

The inrad filters are awesome, have installed several
for guys and they always sound great.

b

--- Kelly <hamintulsa@...> wrote:
> I found this link for new TS-520 filters.
>
> http://www.qth.com/inrad/TS-520.HTM
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Kyle"
> <cb750fsuperspor@w...> wrote:
> > Does the TS-520 come equiped with the trio ssb
> yg-3395s filter
> from the factory? Reason why I`m asking is that the
> operating manual
> shows a picture of one already installed and only
> mentions the cw
> filter yg-3395c has an accesory. My radio has
> neither. Which leads
> me to my second question. How or may I still aquire
> these filters?
> Can someone send me a link to a site where I may get
> them again?
> Thanks. Kyle nomkh
>
>
>

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"If in doubt, MODIFY" --k0zl

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1332. HELP!!!! TS-520 Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-25 16:51:35 UTC
From: n2tmc
Topic: 1332 Message: 1332

I just got a TS-520 and it's dead. These are the symptoms:

1. When you turn the power on, the meter snaps all the way to the right. If you leave it sit for an hour or so it will slowly move down to zero.

2. There is no receive. There is no static. There is no nothing.

I have the rig connected to a 10 meter Hamstick and I know that it's working because a friend attached his rig to it and we were able to receive signals. But all the 520 will do is light up, the fan goes on and sooner or later the meter needle will end up on zero

TNX
73
George
N2TMC

1333. Re: [TS-520_820_530_830] HELP!!!! TS-520 Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-25 18:22:14 UTC
From: Bill K0ZL
Topic: 1332 Message: 1333

The rig has an internal 12vdc supply for the low
voltage stuff, sounds like this has failed.

b

--- n2tmc <n2tmc@...> wrote:
> I just got a TS-520 and it's dead. These are the
> symptoms:
>
> 1. When you turn the power on, the meter snaps all
> the way to the
> right. If you leave it sit for an hour or so it will
> slowly move
> down to zero.
>
> 2. There is no receive. There is no static. There is
> no nothing.
>
> I have the rig connected to a 10 meter Hamstick and
> I know that it's
> working because a friend attached his rig to it and
> we were able to
> receive signals. But all the 520 will do is light
> up, the fan goes
> on and sooner or later the meter needle will end up
> on zero
>
> TNX
> 73
> George
> N2TMC
>
>

=====

"If in doubt, MODIFY" --k0zl

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1334. Re: [TS-520_820_530_830] HELP!!!! TS-520 Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-25 19:44:13 UTC
From: Mike
Topic: 1332 Message: 1334

>1. When you turn the power on, the meter snaps all the way to the
>right. If you leave it sit for an hour or so it will slowly move
>down to zero.

Let the rig cool down and remove the top cover. Locate the regulator board, it is the one in the center on top. On this board locate VR3, it is slightly to the right of center near the front of the board. Power up the rig and use something non-conductive to firmly push down on the variable resistor without adjusting it. Does the S-meter return to center or at least jitter down to the low end of the scale?

>2. There is no receive. There is no static. There is no nothing.

Is the Function switch set to VFO and the VFO shorting plug installed? Any sound at all from headphones? Even with no signal input there should be audible white noise with the AF gain turned up.

1335. Re: HELP!!!! TS-520 Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-25 20:10:10 UTC
From: n2tmc
Topic: 1332 Message: 1335

As for item 1...it didn't change anything when I pressed on VR3.
As for item 2...I don't have any noise at all....speaker, external
speaker or headphones.

--- In TS-520_820_530_830@yahoogroups.com, Mike <mdietrich@e...>
wrote:
> >1. When you turn the power on, the meter snaps all the way to the
> >right. If you leave it sit for an hour or so it will slowly move
> >down to zero.
>
> Let the rig cool down and remove the top cover. Locate the
regulator
> board, it is the one in the center on top. On this board locate
VR3, it is
> slightly to the right of center near the front of the board.
Power up the
> rig and use something non-conductive to firmly push down on the
variable
> resistor without adjusting it. Does the S-meter return to center
or at
> least jitter down to the low end of the scale?
>
> >2. There is no receive. There is no static. There is no nothing.
>
> Is the Function switch set to VFO and the VFO shorting plug
installed? Any
> sound at all from headphones? Even with no signal input there
should be
> audible white noise with the AF gain turned up.

1336. Signal needle pegged with external VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 10:34:19 UTC
From: Adam VK4KSS
Topic: 1336 Message: 1336

Hi all

First off thanks to all those who responded to my question on VFO cable plugs. I acquired the last 4 in the country (according to Kenwood Australia) 2 for me and 2 for a friend.

Now, to the my question

I wired the VFO patch cable up as suggested by all you fine people, and plugged the VFO 520 into my TS- 520S. The VFO has been in storage for around 5 years so I expected some problems, dirty contacts etc...

The VFO initially would skip (or drop out) when tuning through the bands (observed on a frequency counter). I managed to fix this with a blow out of the capacitor in the VFO "box". I also had to adjust the RIT using VR2 as it was a little out.

Now this is the one that has me stumped. When I transmit with the VFO in "OFF" the needle on the radio pegs to the right hand side and stays there. This also occurs when in "REC/ XMIT" and "XMIT" but intermittently on "REC". When in "REC" sometimes the radio pegs the needle and it stays there other times it pegs the need then drops back to normal after a few seconds. On other occasions it operates normally. I can't see any obviously broken wires and tapping the VFO gently has no effect.

When I disconnect the VFO from the Radio and insert the original jumpered plug all works as it should.

Any ideas?

73

Adam VK4KSS
CW Operators QRP Club - # 664
FISTS - # 9619

"I hear and I forget. I see and I remember. I do and I understand."
Confucius

Outgoing mail has been scanned for virus infection and is certified Virus Free by AVG Anti-Virus System
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.594 / Virus Database: 377 - Release Date: 24/02/04

[Non-text portions of this message have been removed]

1337. Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 16:03:31 UTC
From: emikemcc
Topic: 1337 Message: 1337

I recently acquired my General License and then bought a TS-520 on ebay, my first HF rig. I presently have it connected to a ~70 foot wire through my MFJ 949E Versa Tuner II (I previously had this wire connected to an old Hallicrafter SW receiver). It receives well. When I switch my MFJ 949E Versa Tuner II to the bypass dummy load and attempt to walk through through the tuning procedure. I run into some trouble.

I am following the procedure as described in the TS-520S Operating Manual (I don't have the 520 manual). I'm beginning on page 20 under 4.11 Plate Idling Current, trying to tune to 80 meters. Initial switch settings are as outlined in Table 2 of the manual (on the same page). I set Meter Switch to IP, Mode switch to LSB. The H. SW is on (up) When I flip the Stand-by Switch to Send (up) I get no meter reading, even if I adjust the side panel BIAS control. Note, two days ago when I walked through this procedure it seems to respond as it should. Changes I made since then include moving the wire so it doesn't rest on tree linbs outside, and I ran a ground wire from both the MFJ 949E and the transceiver to the middle screw of a metal face place of a near by outlet. One other thing I noticed is that I can clearly receive even when I switch to the dummy load. I don't know if this is expected or not.

My biggest fear is that I have somehow fried a tube. I was hoping to hook it up to a dipole this weekend finish the tuning and get on the air. Does anyone have any thoughts or suggestion for me?

Thank you in advance.

E. Mike McCardel
KC8YLD

1338. Re: [TS-520_820_530_830] Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 20:10:11 UTC
From: Bill K0ZL
Topic: 1337 Message: 1338

If there is a SG (Screen Grid) switch in the back, it
must be ON to get plate idle current.

b

--- emikemcc <emike@...> wrote:
> I recently acquired my General License and then
> bought a TS-520 on
> ebay, my first HF rig. I presently have it connected
> to a ~70 foot
> wire through my MFJ 949E Versa Tuner II (I
> previously had this wire
> connected to an old Hallicrafter SW receiver). It
> receives well. When
> I switch my MFJ 949E Versa Tuner II to the bypass
> dummy load and
> attempt to walk through through the tuning
> procedure. I run into some
> trouble.
> I am following the procedure as described in the
> TS-520S Operating
> Manual (I don't have the 520 manual). I'm beginning
> on page 20 under
> 4.11 Plate Idling Current, trying to tune to 80
> meters. Initial switch
> settings are as outlined in Table 2 of the manual
> (on the same page).
> I set Meter Switch to IP, Mode switch to LSB. The H.
> SW is on (up)
> When I flip the Stand-by Switch to Send (up) I get
> no meter reading,
> even if I adjust the side panel BIAS control. Note,
> two days ago when
> I walked through this procedure it seems to respond
> as it should.
> Changes I made since then include moving the wire so
> it doesn't rest
> on tree linbs outside, and I ran a ground wire from
> both the MFJ 949E
> and the transceiver to the middle screw of a metal
> face place of a
> near by outlet. One other thing I noticed is that I
> can clearly
> receive even when I switch to the dummy load. I
> don't know if this is

> expected or not.
> My biggest fear is that I have somehow fried a tube.
> I was hoping to
> hook it up to a dipole this weekend finish the
> tuning and get on the
> air. Does anyone have any thoughts or suggestion for
> me?
> Thank you in advance.
>
> E. Mike McCardel
> KC8YLD
>
>
>

=====

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1339. Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 20:28:54 UTC
From: emikemcc
Topic: 1337 Message: 1339

SG switch is ON (UP)

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> If there is a SG (Screen Grid) switch in the back, it
> must be ON to get plate idle current.
>
> b
>
> --- emikemcc <emike@m...> wrote:
> > I recently acquired my General License and then
> > bought a TS-520 on
> > ebay, my first HF rig. I presently have it connected
> > to a ~70 foot
> > wire through my MFJ 949E Versa Tuner II (I
> > previously had this wire
> > connected to an old Hallicrafter SW receiver). It
> > receives well. When
> > I switch my MFJ 949E Versa Tuner II to the bypass
> > dummy load and
> > attempt to walk through through the tuning
> > procedure. I run into some
> > trouble.
> > I am following the procedure as described in the
> > TS-520S Operating
> > Manual (I don't have the 520 manual). I'm beginning
> > on page 20 under
> > 4.11 Plate Idling Current, trying to tune to 80
> > meters. Initial switch
> > settings are as outlined in Table 2 of the manual
> > (on the same page).
> > I set Meter Switch to IP, Mode switch to LSB. The H.
> > SW is on (up)
> > When I flip the Stand-by Switch to Send (up) I get
> > no meter reading,
> > even if I adjust the side panel BIAS control. Note,
> > two days ago when
> > I walked through this procedure it seems to respond
> > as it should.
> > Changes I made since then include moving the wire so
> > it doesn't rest
> > on tree linbs outside, and I ran a ground wire from
> > both the MFJ 949E
> > and the transceiver to the middle screw of a metal
> > face place of a

> > near by outlet. One other thing I noticed is that I
> > can clearly
> > receive even when I switch to the dummy load. I
> > don't know if this is
> > expected or not.
> > My biggest fear is that I have somehow fried a tube.
> > I was hoping to
> > hook it up to a dipole this weekend finish the
> > tuning and get on the
> > air. Does anyone have any thoughts or suggestion for
> > me?
> > Thank you in advance.
> >
> > E. Mike McCardel
> > KC8YLD
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1340. Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 20:54:13 UTC
From: Bill K0ZL
Topic: 1337 Message: 1340

You should not be able to receive on dummy load

--- emikemcc <emike@...> wrote:
> SG switch is ON (UP)
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > If there is a SG (Screen Grid) switch in the back,
> it
> > must be ON to get plate idle current.
> >
> > b
> >
> > --- emikemcc <emike@m...> wrote:
> > > I recently acquired my General License and then
> > > bought a TS-520 on
> > > ebay, my first HF rig. I presently have it
> connected
> > > to a ~70 foot
> > > wire through my MFJ 949E Versa Tuner II (I
> > > previously had this wire
> > > connected to an old Hallicrafter SW receiver).
> It
> > > receives well. When
> > > I switch my MFJ 949E Versa Tuner II to the
> bypass
> > > dummy load and
> > > attempt to walk through through the tuning
> > > procedure. I run into some
> > > trouble.
> > > I am following the procedure as described in the
> > > TS-520S Operating
> > > Manual (I don't have the 520 manual). I'm
> beginning
> > > on page 20 under
> > > 4.11 Plate Idling Current, trying to tune to 80
> > > meters. Initial switch
> > > settings are as outlined in Table 2 of the
> manual
> > > (on the same page).
> > > I set Meter Switch to IP, Mode switch to LSB.
> The H.
> > > SW is on (up)
> > > When I flip the Stand-by Switch to Send (up) I

> get
> > > no meter reading,
> > > even if I adjust the side panel BIAS control.
> Note,
> > > two days ago when
> > > I walked through this procedure it seems to
> respond
> > > as it should.
> > > Changes I made since then include moving the
> wire so
> > > it doesn't rest
> > > on tree linbs outside, and I ran a ground wire
> from
> > > both the MFJ 949E
> > > and the transceiver to the middle screw of a
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> > > face place of a
> > > near by outlet. One other thing I noticed is
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> > > can clearly
> > > receive even when I switch to the dummy load. I
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> > > expected or not.
> > > My biggest fear is that I have somehow fried a
> tube.
> > > I was hoping to
> > > hook it up to a dipole this weekend finish the
> > > tuning and get on the
> > > air. Does anyone have any thoughts or suggestion
> for
> > > me?
> > > Thank you in advance.
> > >
> > > E. Mike McCardel
> > > KC8YLD
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> > =====
> >
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1341. Fwd: DS-1A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 20:12:32 UTC
From: Bill K0ZL
Topic: 1341 Message: 1341

--- John Yocum <kg6fyb-14@...> wrote:
> From: "John Yocum" <kg6fyb-14@...>
> To: <coorsbill@...>
> Subject: DS-1A
> Date: Thu, 26 Feb 2004 01:28:52 -0800
>
> Bill,
> I have just acquired a DS-1A and have it on ebay. I
> happened acrossed your name by chance as the
> moderator of the KENWOOD TS-520_820_530_830 group on
> yahoo.
> The only reason that I am sending this email to
> spread the word because I found out how rare these
> units are. If you would care to post this that would
> be great. The Item #3080979769..
>
> Thank you and 73,
> John
> KG6FYB
>
>

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"If in doubt, MODIFY" --k0zl

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1342. Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-26 23:13:12 UTC
From: Bill K0ZL
Topic: 1337 Message: 1342

OK make sure the tubes are lit (filaments)

b

--- emikemcc <emike@...> wrote:
> SG switch is ON (UP)
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > If there is a SG (Screen Grid) switch in the back,
> it
> > must be ON to get plate idle current.
> >
> > b
> >
> > --- emikemcc <emike@m...> wrote:
> > > I recently acquired my General License and then
> > > bought a TS-520 on
> > > ebay, my first HF rig. I presently have it
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> > > to a ~70 foot
> > > wire through my MFJ 949E Versa Tuner II (I
> > > previously had this wire
> > > connected to an old Hallicrafter SW receiver).
> It
> > > receives well. When
> > > I switch my MFJ 949E Versa Tuner II to the
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> > > dummy load and
> > > attempt to walk through through the tuning
> > > procedure. I run into some
> > > trouble.
> > > I am following the procedure as described in the
> > > TS-520S Operating
> > > Manual (I don't have the 520 manual). I'm
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> > > on page 20 under
> > > 4.11 Plate Idling Current, trying to tune to 80
> > > meters. Initial switch
> > > settings are as outlined in Table 2 of the
> manual
> > > (on the same page).
> > > I set Meter Switch to IP, Mode switch to LSB.
> The H.

> > > SW is on (up)
> > > When I flip the Stand-by Switch to Send (up) I
> get
> > > no meter reading,
> > > even if I adjust the side panel BIAS control.
> Note,
> > > two days ago when
> > > I walked through this procedure it seems to
> respond
> > > as it should.
> > > Changes I made since then include moving the
> wire so
> > > it doesn't rest
> > > on tree linbs outside, and I ran a ground wire
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> > > both the MFJ 949E
> > > and the transceiver to the middle screw of a
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> > > receive even when I switch to the dummy load. I
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> > > My biggest fear is that I have somehow fried a
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> > > I was hoping to
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> > > air. Does anyone have any thoughts or suggestion
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> > > me?
> > > Thank you in advance.
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> > > E. Mike McCardel
> > > KC8YLD
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1343. Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-27 13:32:54 UTC
From: Jim
Topic: 1337 Message: 1343

I don't understand why you can receive "clearly" on the dummy load. I have heard strong nearby stations without any antenna attached at all, but nothing like I would get with the antenna. At any rate, if you are sure the antenna is cut to an appropriate length you might want to remove the tuner from the circuit at this point - fix one thing at a time.

Secondly, the "ground" you have set up is not adequate either for safety or operating conditions. Grounds rods are pretty cheap so get down to the electrical supply house or hardware store and do it properly with some HEAVY gauge copper wire (like #4 or #6).

As to your other problem, the only thing I can think of is that you don't really have the mode switch in the proper position or, if you do, it is dirty and not making the proper contacts. Try it on a different position, like USB, or wiggle it a bit to see if that helps. If it is dirty, get some good contact cleaner and give it a bath. If you have it in the wrong position, smack your forehead with the palm of your hand and in your best Homer Simpson voice say "DOH!". Also, you did give the heater a bit of time to warm up those tubes, right? They need three minutes or so before you tune.

Good luck and 73,
Jim K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "emikemcc" <emike@m...> wrote:
> I recently acquired my General License and then bought a TS-520 on
> ebay, my first HF rig. I presently have it connected to a ~70 foot
> wire through my MFJ 949E Versa Tuner II (I previously had this wire
> connected to an old Hallicrafter SW receiver). It receives well. When
> I switch my MFJ 949E Versa Tuner II to the bypass dummy load and
> attempt to walk through through the tuning procedure. I run into some
> trouble.
> I am following the procedure as described in the TS-520S Operating
> Manual (I don't have the 520 manual). I'm beginning on page 20 under
> 4.11 Plate Idling Current, trying to tune to 80 meters. Initial switch
> settings are as outlined in Table 2 of the manual (on the same page).
> I set Meter Switch to IP, Mode switch to LSB. The H. SW is on (up)
> When I flip the Stand-by Switch to Send (up) I get no meter reading,

> even if I adjust the side panel BIAS control. Note, two days ago
when
> I walked through this procedure it seems to respond as it should.
> Changes I made since then include moving the wire so it doesn't
rest
> on tree linbs outside, and I ran a ground wire from both the MFJ
949E
> and the transceiver to the middle screw of a metal face place of a
> near by outlet. One other thing I noticed is that I can clearly
> receive even when I switch to the dummy load. I don't know if this
is
> expected or not.
> My biggest fear is that I have somehow fried a tube. I was hoping
to
> hook it up to a dipole this weekend finish the tuning and get on
the
> air. Does anyone have any thoughts or suggestion for me?
> Thank you in advance.
>
> E. Mike McCardel
> KC8YLD

1344. Re: Signal needle pegged with external VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-27 20:31:04 UTC
From: Greg
Topic: 1336 Message: 1344

Adam, I too wired up my own cable to the VFO820 from my TS820s. One thing I have found is that it will appear the plugs a inserted firmly and correctly, yet wiggling them will prove that the pegged needle, or lack of signal, was caused by the plug to socket fitment (on both or either end). At least thats been my experience.

The pins and sockets have been cleaned, but I found I had to gently bend the pins slightly in order to maintain ALLL pins making sinultanious contact.

My sympotoms have been similar to yours, as well as having no audio due to the lack of any RF signal. Just looking at the plugs isnt good enough...even pushing thm into the socket doesnt help. Give them a wiggle frmn side to side and your problem area may become obvious. After they make a good connection, you may find after not using the radio for some time,the problem will reoccure. You will then have to repeat the 'wiggle' exercise.

GD Luck es 73
Greg White
VA3VFO

> Now, to the my question
>
> I wired the VFO patch cable up as suggested by all you fine people, and
> plugged the VFO 520 into my TS- 520S. The VFO has been in storage for
> around 5 years so I expected some problems, dirty contacts etc...
>
> The VFO initially would skip (or drop out) when tuning through the bands
> (observed on a frequency counter). I managed to fix this with a blow out of
> the capacitor in the VFO "box". I also had to adjust the RIT using VR2 as
> it was a little out.
>
> Now this is the one that has me stumped. When I transmit with the VFO in
> "OFF" the needle on the radio pegs to the right hand side and stays there.
> This also occurs when in "REC/ XMIT" and "XMIT" but intermittently on
> "REC". When in "REC" sometimes the radio pegs the needle and it stays there

> other times it pegs the need then drops back to normal after a few
seconds.
> On other occasions it operates normally. I can't see any obviously
broken
> wires and tapping the VFO gently has no effect.
>
> When I disconnect the VFO from the Radio and insert the original
jumpered
> plug all works as it should.
>
> Any ideas?
>
> 73
>
> Adam VK4KSS
> CW Operators QRP Club - # 664
> FISTS - # 9619
>
> "I hear and I forget. I see and I remember. I do and I understand."
> Confucius
>
> ----------
>
>
> ---
> Outgoing mail has been scanned for virus infection and is certified
Virus Free by AVG Anti-Virus System
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.594 / Virus Database: 377 - Release Date: 24/02/04
>
>
> [Non-text portions of this message have been removed]

1345. Re:receive with dummy load

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-27 22:10:02 UTC
From: james27613@att.net
Topic: 1345 Message: 1345

Hi bill,

I can receive wwv and a few local stations with a
3 foot coax and my bird dummy load.

73 james ke4drn

1346. Re: [TS-520_820_530_830] Re: Signal needle pegged with external VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-28 03:04:56 UTC
From: Adam VK4KSS
Topic: 1336 Message: 1346

At 06:31 AM 28/02/04, you wrote:
>Adam, I too wired up my own cable to the VFO820 from my TS820s. One
>thing I have found is that it will appear the plugs a inserted firmly
>and correctly, yet wiggling them will prove that the pegged needle,
>or lack of signal, was caused by the plug to socket fitment (on both
>or either end). At least thats been my experience.

Thanks Greg

I tried that but it had no effect.

After you mentioning bad connections, I tried looking for other possibilities. I couldn't figure out why the problem didn't occur when on dummy load. Then it hit me (burned me actually). RF is getting into the VFO, even though I have it earthed and am using shielded cable

On 40m the VFO works flawlessly but on 20m it only works on the REC and REC/ XMIT modes, when OFF or on XMIT the signal needle shoots to the right hand side of the meter. I haven't tried the other bands.

We are currently in drought here, so I went out with the hose and wet all the earth points for 10 minutes, and guess what. The VFO works, but as soon as the ground dries out the problem reoccurs.

Thanks for your input. I'm away for a weekend of building resonant antennas and better earthing.

73
Adam VK4KSS

[Non-text portions of this message have been removed]

1347. Re: [TS-520_820_530_830] Re:receive with dummy load

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-28 13:19:37 UTC
From: Bill K0ZL
Topic: 1345 Message: 1347

Try a different jumper. Sounds like you have one that
is a bit leaky.
b

--- james27613@... wrote:
> Hi bill,
>
> I can receive wwv and a few local stations with a
> 3 foot coax and my bird dummy load.
>
> 73 james ke4drn
>

=====

"If in doubt, MODIFY" --k0zl

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1348. Re: TS-520SE VFO DRIFT ON POWER UP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-29 15:59:58 UTC
From: wa5jaw
Topic: 1201 Message: 1348

Bill,
I will try what you have mentioned. I cannot seem to determine from the schematic the voltage path (source) for the VFO. The pin on the schematic for the VFO is labeled either (8) or (B). Not 9 as is the case with other 9VDC inputs to cards. I traced the voltage source through the external VFO plug pin 7 to 8 then to the wiper arm of S2-2 the function switch. From that point it seems logical the power would come from the wire connecting S2-4 (wiper) to S3-3 (wiper) and beyond, but, the beyond pins seem to be destinations not a source. Can you help me determine the path for power to the VFO. It does not appear to be just 9VDC from the regulator.
Again thanks for the help,
Sam WA5JAW

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Don't know if the VFO has a temp compensating scheme, as in the FT-101, have never had to use it. This amt of drift that you mention is uncharacteristic. Did you clean the wiper on the VFO cap?
>
> Also try re-soldering the connections (any other than the PC board connections) inside the VFO to "relax" the wire tension. I have used this several times and gotten big improvements in the Swan, Heathkit and Yaesu VFOs.
>
> b
>
>
> wa5jaw <allensa03@p...> wrote:
> Bill,
> I checked the 9VDC PS and when first turned on it reads 8.98V and
> after about and hour plus it reads 9.01V. In the process I did find
> a bad cable connecting the VFO-520S to the rig. Worst solder job I
> have ever seen!! Anyway I cleaned the rig and plugs on external VFO
> connection (dummy plug now inserted) and internal VFO connections and
> reassembled. The rig drifts down about 500HZ in the first hour of
> operation (after 1 min at turn on) and now in hour 3 it is still
> drifting down at 100HZ per 30 minutes. Guess that is within specs?
> Suppose in 4 or 5 hours it will stop going down? Anyway, I can set
> the rig on WWV at 15MHZ monitoring on MixW (waterfall) and it draws a

> straight line (assuming drift mentioned earlier). If I switch the
> function switch to Fix R and disconnect the 9V via that switch for
15
> seconds and switch it back to VFO it is 100 HZ low, 30 seconds and
it
> is 150HZ low (after returning to VFO it takes 1 min or longer for
Rig
> to get back to frequency. Tried yesterday switching VFO on and off
> and the PS voltage remained constant. Looks like something is
> warming up and changing in the VFO. (External VFO does not do
this!)
> Well, comments would be appreciated.
> Sam Allen WA5JAW
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...>
> wrote:
> > check the dc supply to the VFO, with good DVM, see if
> > there is a ramp there.
> >
> > b
> >
> >
> > --- wa5jaw <allensa03@p...> wrote:
> > > Hello,
> > > I need a little help with my TS-520 internal VFO.
> > > My external VFO is very frequency stable but while
> > > switching between
> > > internal and external VFOs (both set to same freq
> > > and stabilized) I
> > > noticed that my internal VFO when switched on starts
> > > up about 150-
> > > 200HZ low and ramps to the orginal set frequency or
> > > even higher after
> > > about one minute. Watching it (WWV) on MixW in the
> > > waterfall you can
> > > see a definite ramp. The external VFO when switched
> > > on is exactly on
> > > frequency and requires no start up time to come to
> > > frequency.
> > > Sounds like a lazy oscillator to me, how about some
> > > help. Has anyone
> > > had such a problem their 520 VFOs?
> > > Thanks for your comments,
> > > Sam WA5JAW
> > >
> > >
> > >
> > >

> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
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> > http://webhosting.yahoo.com/ps/sb/
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> ---
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of
Service.
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>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> ---
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool. Try it!
>
> [Non-text portions of this message have been removed]

1349. Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-29 17:43:20 UTC
From: emikemcc
Topic: 1337 Message: 1349

None of the tubes seem to glow. even in a dark room. I just find it odd that all of a sudden ALL the tubes went bad. I have bought replacements on ebay and am now awaiting their arrival. Now when the arrive and put them in I will have to neutralize the finals. According to directions I have I will to acquire an RF Voltmeter. How does an RF volt meter differ from other voltmeters? How do I attach it to get the readings I need? What if the new tubes don't glow, what should I try next?

EMike
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> OK make sure the tubes are lit (filaments)
>
> b
>
> --- emikemcc <emike@m...> wrote:
> > SG switch is ON (UP)
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > <coorsbill@y...>
> > wrote:
> > > If there is a SG (Screen Grid) switch in the back,
> > it
> > > must be ON to get plate idle current.
> > >
> > > b
> > >
> > > --- emikemcc <emike@m...> wrote:
> > > > I recently acquired my General License and then
> > > > bought a TS-520 on
> > > > ebay, my first HF rig. I presently have it
> > connected
> > > > to a ~70 foot
> > > > wire through my MFJ 949E Versa Tuner II (I
> > > > previously had this wire
> > > > connected to an old Hallicrafter SW receiver).
> > It
> > > > receives well. When
> > > > I switch my MFJ 949E Versa Tuner II to the
> > bypass
> > > > dummy load and
> > > > attempt to walk through through the tuning
> > > > procedure. I run into some
> > > > trouble.

> > > > I am following the procedure as described in the
> > > > TS-520S Operating
> > > > Manual (I don't have the 520 manual). I'm
> > beginning
> > > > on page 20 under
> > > > 4.11 Plate Idling Current, trying to tune to 80
> > > > meters. Initial switch
> > > > settings are as outlined in Table 2 of the
> > manual
> > > > (on the same page).
> > > > I set Meter Switch to IP, Mode switch to LSB.
> > The H.
> > > > SW is on (up)
> > > > When I flip the Stand-by Switch to Send (up) I
> > get
> > > > no meter reading,
> > > > even if I adjust the side panel BIAS control.
> > Note,
> > > > two days ago when
> > > > I walked through this procedure it seems to
> > respond
> > > > as it should.
> > > > Changes I made since then include moving the
> > wire so
> > > > it doesn't rest
> > > > on tree linbs outside, and I ran a ground wire
> > from
> > > > both the MFJ 949E
> > > > and the transceiver to the middle screw of a
> > metal
> > > > face place of a
> > > > near by outlet. One other thing I noticed is
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> > > > expected or not.
> > > > My biggest fear is that I have somehow fried a
> > tube.
> > > > I was hoping to
> > > > hook it up to a dipole this weekend finish the
> > > > tuning and get on the
> > > > air. Does anyone have any thoughts or suggestion
> > for
> > > > me?
> > > > Thank you in advance.
> > > >
> > > > E. Mike McCardel
> > > > KC8YLD
> > > >

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> > > =====
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> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website
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1350. Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-29 19:16:43 UTC
From: Mike
Topic: 1337 Message: 1350

Is the heater switch on?

An RF voltmeter reads the RMS value of an RF source. Probes are available
that do the same thing using a regular DMM. Another option is to place the
radio next to another receiver/transceiver tuned to the same frequency and
then tune for a minimum S-meter reading on the receiver.

>None of the tubes seem to glow. even in a dark room. I just find it
>odd that all of a sudden ALL the tubes went bad. I have bought
>replacements on ebay and am now awaiting their arrival. Now when the
>arrive and put them in I will have to neutralize the finals.
>According to directions I have I will to acquire an RF Voltmeter. How
>does an RF volt meter differ from other voltmeters? How do I attach
>it to get the readings I need? What if the new tubes don't glow, what
>should I try next?

1351. Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-29 23:13:25 UTC
From: Gary Commer
Topic: 1337 Message: 1351

I'm looking at the Troubleshooting section for the TS520 and it shows:
SYMPTOMS: ALC meter deflects with no output (no plate current)
CAUSE: REMEDY
1. No high voltage (+800v) on the final tubes. Check the HV
power supply
2. Bad final tubes Replace
the tubes
3. SG switch is turned off. Slide the
switch up

The Service manual has eleven causes for no output or low output. If you
haven't already done so it my be a good idea to download the service manual
and look for a cause and fix there. BTW one of the fixes is check the
continuity of that SG switch to see if the switch may be bad.

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Mike <mdietrich@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 2/29/2004 2:15:53 PM
> Subject: Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter
>
> Is the heater switch on?
>
> An RF voltmeter reads the RMS value of an RF source. Probes are available
> that do the same thing using a regular DMM. Another option is to place
the
> radio next to another receiver/transceiver tuned to the same frequency and
> then tune for a minimum S-meter reading on the receiver.
>
> >None of the tubes seem to glow. even in a dark room. I just find it
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> >should I try next?
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> Yahoo! Groups Links
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>
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1352. Re: [TS-520_820_530_830] Re: Help tuning TS-520 transmitter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-01 18:12:04 UTC
From: Bill K0ZL
Topic: 1337 Message: 1352

Mike you don't need an RF voltmeter to neutralize new
tubes.

YOu need to troubleshoot your filament circuit; that
may be the problem, rather than tubes.

Have you looked inside the rig yet?

bill

--- emikemcc <emike@...> wrote:
> None of the tubes seem to glow. even in a dark room.
> I just find it
> odd that all of a sudden ALL the tubes went bad. I
> have bought
> replacements on ebay and am now awaiting their
> arrival. Now when the
> arrive and put them in I will have to neutralize the
> finals.
> According to directions I have I will to acquire an
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> does an RF volt meter differ from other voltmeters?
> How do I attach
> it to get the readings I need? What if the new tubes
> don't glow, what
> should I try next?
>
> EMike
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
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> >
> > b
> >
> > --- emikemcc <emike@m...> wrote:
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> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
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> > > <coorsbill@y...>
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> > > > > even if I adjust the side panel BIAS
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> > > Note,
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> > > > > both the MFJ 949E
> > > > > and the transceiver to the middle screw of a
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> > > > > My biggest fear is that I have somehow fried
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> the
> > > > > tuning and get on the
> > > > > air. Does anyone have any thoughts or
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> > > for
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> > > > > E. Mike McCardel
> > > > > KC8YLD
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> > > > "If in doubt, MODIFY" --k0zl
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"If in doubt, MODIFY" --k0zl

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http://antispam.yahoo.com/tools

1353. Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-02-29 18:24:52 UTC
From: Jack Twilley
Topic: 1353 Message: 1353

I seem to have broken the extended feet on one of my rigs. These
things are readily available, right?

Also, on my original rig, switching from TUN to CW would change
filters and change the receive frequency something like 700 Hz. To
receive CW signals, I would first zero-beat in TUN, then change to CW
to get a tone. That's no longer working -- when I switch from TUN to
CW, I get no change in frequency and I can't notice any filter
change. Does this mean I have a broken CW filter? Are *those* things
readily available?

Jack.
(full of questions, full of questions)
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1354. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 01:26:22 UTC
From: Bill K0ZL
Topic: 1353 Message: 1354

I can't be sure as there is no drawing breakout for
the feet, but the service manual lists only two of
these as "accesories":

FOOT J02-0049-14

So I am guessing that these are the extenders that
came as accessories.

These are listed as still available from
www.pacparts.com, at about $1.20 each.

click on Consumer Electronics>>Search and Order Parts
online>>Guest (continue)>>select Kenwood as
manufacturer, then click on part number, then enter
the number above.

I think they have a 25.00 minimum; if you cannot make
this, I can order the pieces for you but it will wait
until my next parts order cycle to save costs.

73,

Bill K0ZL
--- Jack Twilley <jmt@...> wrote:
> I seem to have broken the extended feet on one of my
> rigs. These
> things are readily available, right?
>
> Also, on my original rig, switching from TUN to CW
> would change
> filters and change the receive frequency something
> like 700 Hz. To
> receive CW signals, I would first zero-beat in TUN,
> then change to CW
> to get a tone. That's no longer working -- when I
> switch from TUN to
> CW, I get no change in frequency and I can't notice
> any filter
> change. Does this mean I have a broken CW filter?
> Are *those* things
> readily available?
>
> Jack.
> (full of questions, full of questions)
> --
> Jack Twilley

> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>
>

=====

"If in doubt, MODIFY" --k0zl

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1355. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 02:10:33 UTC
From: Jack Twilley
Topic: 1353 Message: 1355

Is there any chance that I could get a CW filter and/or an SSB filter
from the same place? It's nigh unto impossible to search their site.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1356. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-01 21:09:37 UTC
From: Bill K0ZL
Topic: 1353 Message: 1356

Jack I will check on p/n from Kenwood for you later
tonight.

On your mode switching, sounds like broken wire on or
near the mode switch.
b

--- Jack Twilley <jmt@...> wrote:
> I seem to have broken the extended feet on one of my
> rigs. These
> things are readily available, right?
>
> Also, on my original rig, switching from TUN to CW
> would change
> filters and change the receive frequency something
> like 700 Hz. To
> receive CW signals, I would first zero-beat in TUN,
> then change to CW
> to get a tone. That's no longer working -- when I
> switch from TUN to
> CW, I get no change in frequency and I can't notice
> any filter
> change. Does this mean I have a broken CW filter?
> Are *those* things
> readily available?
>
> Jack.
> (full of questions, full of questions)
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>
>

=====

"If in doubt, MODIFY" --k0zl

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1357. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 07:52:34 UTC
From: Jack Twilley
Topic: 1353 Message: 1357

I'll check for a broken wire. Thanks for looking for the part
number. If they're not too expensive, I'll get two of each, and
that'll *definitely* put me over $25.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1358. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 13:24:03 UTC
From: Bill K0ZL
Topic: 1353 Message: 1358

Those you do not want to buy from Kenwood.

Use the Favorites Search function of ebay to look for
the filters that you need; or, get the ones from
Inrad; they will take a little inventiveness to
install as some of them are not "bolt ins".

Please go through your symptoms again, I am not so
sure you have a bad filter. These rarely fail,
especially both at one time unless the rig has been
dropped hard.

bill

--- Jack Twilley <jmt@...> wrote:
> Is there any chance that I could get a CW filter
> and/or an SSB filter
> from the same place? It's nigh unto impossible to
> search their site.
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1359. 6146A vs. 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 02:18:08 UTC
From: jimmythefed
Topic: 1359 Message: 1359

Pardon if this has been beaten to death... I'm new here! Other than the lower plate dissipation for the 6146A, are there any other concerns I should have using these in my 520S? Will they neutralize OK? Or should I just bag them and get a set of 6146Bs?

Jim.

1360. Re: [TS-520_820_530_830] Two minor defects

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 13:35:42 UTC
From: Bill K0ZL
Topic: 1353 Message: 1360

I think the minimum is $25.00, that would be 15 feet!
hi.

Let me know if you want to "sidecar" an order with one
of mine. I order about once a month.

bill

--- Jack Twilley <jmt@...> wrote:
> I'll check for a broken wire. Thanks for looking
> for the part
> number. If they're not too expensive, I'll get two
> of each, and
> that'll *definitely* put me over $25.
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1361. Re: [TS-520_820_530_830] 6146A vs. 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 16:48:49 UTC
From: Bill K0ZL
Topic: 1359 Message: 1361

They will work fine; if you are running PSK, just keep
your output around 25 watts or less. With B's you can
go to about 45 or 50 watts.

If you are handy, it may actually be more economical
to run A's in there, maybe you have to change them
every 6 years instead of every ten? hi.

Lube yer fan while you are in there. Any hypo-type
oiler will work; there are little holes in the bearing
cups on either end.

If you have a 0.001 uF 1000 volt disk cap, solder it
across the fan terminals, will help prevent harmonic
radiation on the AC line from the fan leads.

b

b

--- jimmythefed <jimmythefed@...> wrote:
> Pardon if this has been beaten to death... I'm new
> here! Other than
> the lower plate dissipation for the 6146A, are there
> any other
> concerns I should have using these in my 520S? Will
> they neutralize
> OK? Or should I just bag them and get a set of
> 6146Bs?
>
> Jim.
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1362. Re: 6146A vs. 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 17:41:26 UTC
From: jimmythefed
Topic: 1359 Message: 1362

Wow! Thanks Bill! Probably will run SSB only (well *MAYBE* a little CW ;) ... I'll just tune up quickly and not load it so hard. Thanks also for the fan advice. I'm a firm believer in keeping things cool. I had a Swan for many (10?) years and had a muffin fan to pull off the heat sitting right above that 6MJ6... never had to replace that tube... and that was a sweep tube <ugh!>.

BTW, this is a great board! Learning a lot!

Jim.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> They will work fine; if you are running PSK, just keep
> your output around 25 watts or less. With B's you can
> go to about 45 or 50 watts.
>
> If you are handy, it may actually be more economical
> to run A's in there, maybe you have to change them
> every 6 years instead of every ten? hi.
>
> Lube yer fan while you are in there. Any hypo-type
> oiler will work; there are little holes in the bearing
> cups on either end.
>
> If you have a 0.001 uF 1000 volt disk cap, solder it
> across the fan terminals, will help prevent harmonic
> radiation on the AC line from the fan leads.
>
> b
>
>
> b
>
> --- jimmythefed <jimmythefed@h...> wrote:
> > Pardon if this has been beaten to death... I'm new
> > here! Other than
> > the lower plate dissipation for the 6146A, are there
> > any other
> > concerns I should have using these in my 520S? Will
> > they neutralize
> > OK? Or should I just bag them and get a set of
> > 6146Bs?
> >
> > Jim.
> >

> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1363. ts-530 output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 19:10:50 UTC
From: blobby12uk
Topic: 1363 Message: 1363

Just a little concern of mine.When I tune the set up I can get nearly 110 watts on 80m ,100w on 10,however the next time I come to use the set,say the next day, the output will be 5 or 6w lower.
Is it worth taking the 6146b out and checking the pins and anode connections are clean,electrically.
Regards
Bob/G7JHW

1364. Re: [TS-520_820_530_830] ts-530 output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 21:55:05 UTC
From: Bill K0ZL
Topic: 1363 Message: 1364

5 or 6 watts out of 110 could just be line voltage
changes.

b

--- blobby12uk <g7jhw@...> wrote:
> Just a little concern of mine.When I tune the set up
> I can get nearly
> 110 watts on 80m ,100w on 10,however the next time I
> come to use the
> set,say the next day, the output will be 5 or 6w
> lower.
> Is it worth taking the 6146b out and checking the
> pins and anode
> connections are clean,electrically.
> Regards
> Bob/G7JHW
>
>

=====

"If in doubt, MODIFY" --k0zl

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1365. TS 530 Universal Coupler for Band Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-02 13:55:55 UTC
From: kc4ara
Topic: 1365 Message: 1365

Does anyone have or know where I can get a Universal Coupler for the rod on the band switch. The part number is D22-0409-05/D22-0402-05 according to the manual. My radio has one that is cracked and the radio will only work on the lower bands.

Thank you for any help.

Danny

KC4ARA

1366. Re: [TS-520_820_530_830] TS 530 Universal Coupler for Band Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 01:46:01 UTC
From: Bill K0ZL
Topic: 1365 Message: 1366

Pacific Coast Parts. Easier to call than order via
web. about ten bucks.

They have a 25.00 minimum; if you can't make that or
don't want to, holler at me and I can get you one.

73

Bill K0ZL

--- kc4ara <kc4ara@...> wrote:
> Does anyone have or know where I can get a Universal
> Coupler for the
> rod on the band switch. The part number is
> D22-0409-05/D22-0402-05
> according to the manual. My radio has one that is
> cracked and the
> radio will only work on the lower bands.
>
> Thank you for any help.
>
> Danny
>
> KC4ARA
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1367. Re: [TS-520_820_530_830] ts-530 output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 06:44:52 UTC
From: Bob
Topic: 1363 Message: 1367

Interesting point,output always seems higher early morning than in the
evening.I will keep an eye the mains voltage.
Regards
Bob
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, March 02, 2004 9:55 PM
Subject: Re: [TS-520_820_530_830] ts-530 output

> 5 or 6 watts out of 110 could just be line voltage
> changes.
>
> b
>
> --- blobby12uk <g7jhw@...> wrote:
> > Just a little concern of mine.When I tune the set up
> > I can get nearly
> > 110 watts on 80m ,100w on 10,however the next time I
> > come to use the
> > set,say the next day, the output will be 5 or 6w
> > lower.
> > Is it worth taking the 6146b out and checking the
> > pins and anode
> > connections are clean,electrically.
> > Regards
> > Bob/G7JHW
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1368. 6146W vs 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 15:20:41 UTC
From: taephono
Topic: 1359 Message: 1368

I have seen alot of the 6146W tubes around, can these be safely
substitued for the 6146B ??

73,
Clint - ws1v

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> They will work fine; if you are running PSK, just keep
> your output around 25 watts or less. With B's you can
> go to about 45 or 50 watts.
>
> If you are handy, it may actually be more economical
> to run A's in there, maybe you have to change them
> every 6 years instead of every ten? hi.
>
> Lube yer fan while you are in there. Any hypo-type
> oiler will work; there are little holes in the bearing
> cups on either end.
>
> If you have a 0.001 uF 1000 volt disk cap, solder it
> across the fan terminals, will help prevent harmonic
> radiation on the AC line from the fan leads.
>
>

1369. Re: [TS-520_820_530_830] 6146W vs 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 16:16:37 UTC
From: Dale Cole
Topic: 1359 Message: 1369

I used 6146W's in my 830 for ssb and cw for years and they seemed to be a
much more durable tube than the plain, a's, and b's. And I pushed the rig
to the full hilt!
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, March 03, 2004 10:23:42 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 6146W vs 6146B

I have seen alot of the 6146W tubes around, can these be safely
substitued for the 6146B ??

73,
Clint - ws1v

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> They will work fine; if you are running PSK, just keep
> your output around 25 watts or less. With B's you can
> go to about 45 or 50 watts.
>
> If you are handy, it may actually be more economical
> to run A's in there, maybe you have to change them
> every 6 years instead of every ten? hi.
>
> Lube yer fan while you are in there. Any hypo-type
> oiler will work; there are little holes in the bearing
> cups on either end.
>
> If you have a 0.001 uF 1000 volt disk cap, solder it
> across the fan terminals, will help prevent harmonic
> radiation on the AC line from the fan leads.
>
>

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1370. Mic rewire

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 17:16:15 UTC
From: Jesse
Topic: 1370 Message: 1370

Can I put the MC-50 on my TS-140?????????????/

1371. Re: [TS-520_820_530_830] 6146W vs 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 21:41:29 UTC
From: Bill K0ZL
Topic: 1359 Message: 1371

Yes and no.

The W is still 25 watts plate dissipation, whereas the
B is 35 watts.

Keep in mind, any tube can be run over it's plate
dissipation for short periods of time; ssb and cw are
fine, but PSK, AM and FM will cause plate dissipation
to be exceeded for longer than might be desirable.
While this won't necessarily kill a tube, it will
shorten the life. How much depends on the "area under
the curve", that is, how much and how often the
ratings are exceeded, along with cooling; a 25 watt
tube with lots of cooling might fair better than a 35
watt tube with a dirty fan or one that's frozen up.

The thing that seems to kill tubes, regardless of
variety, is excessive key-down time out of resonance;
guys that don't know how to tune up quickly (or have
forgotten or lost their touch) are murder on any tube;
sweep, 6146 or big linear tubes. Get them resonated
or dipped quickly and you will go a long way toward
preserving your tube life, regardless of the
application.

bill

--- taephono <taephono@...> wrote:
> I have seen alot of the 6146W tubes around, can
> these be safely
> substitued for the 6146B ??
>
> 73,
> Clint - ws1v
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > They will work fine; if you are running PSK, just
> keep
> > your output around 25 watts or less. With B's you
> can
> > go to about 45 or 50 watts.
> >
> > If you are handy, it may actually be more

> economical
> > to run A's in there, maybe you have to change them
> > every 6 years instead of every ten? hi.
> >
> > Lube yer fan while you are in there. Any
> hypo-type
> > oiler will work; there are little holes in the
> bearing
> > cups on either end.
> >
> > If you have a 0.001 uF 1000 volt disk cap, solder
> it
> > across the fan terminals, will help prevent
> harmonic
> > radiation on the AC line from the fan leads.
> >
> >
>
>

=====

"If in doubt, MODIFY" --k0zl

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1372. Re: [TS-520_820_530_830] Mic rewire

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-03 21:42:44 UTC
From: Bill K0ZL
Topic: 1370 Message: 1372

Yep.

--- Jesse <jessdog259@...> wrote:
> Can I put the MC-50 on my TS-140?????????????/
>
>

=====

"If in doubt, MODIFY" --k0zl

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1373. Re: [TS-520_820_530_830] Mic rewire

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 00:35:47 UTC
From: Jesse Fields
Topic: 1370 Message: 1373

Bill can you maybe give a clue to the wireing for the MC-50 to the TS-140
Jesse

Bill K0ZL <coorsbill@...> wrote:Yep.

--- Jesse wrote:
> Can I put the MC-50 on my TS-140?????????????/
>
>

=====

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[Non-text portions of this message have been removed]

1374. I want to thank you all

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 00:49:56 UTC
From: n2tmc
Topic: 1374 Message: 1374

Thanks to all of you that helped me with my TS-520 problems. The best thing was when I attached all of your responses and emailed them to the guy who sold it to me. He took it back at his expense and will be having it fixed and sent back to me.

Again, thank you all very much!

73
George
N2TMC

1375. Intoduction from a new member + a few silly questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 11:46:40 UTC
From: Jon (M1CBH)
Topic: 1375 Message: 1375

Hi Group,

My name is Jon and hold the callsign of M1CBH.

Just been lent a TS-830S and wanted to ask a few (maybe silly) questions.

1. The manual seems to suggest that during tune up, you adjust the plate control for a maximum reading on the meter(with the meter switch to set RF), should I peak it, or dip it?

2. Is there way to reduce output power(sorry for this question, but i'm used to a "set power" button).

These questions may appear silly but it's the first piece of valve equipment i've ever used.

thanks in advance,

regards and 73's,

de Jon, M1CBHr

[Non-text portions of this message have been removed]

1376. Re: [TS-520_820_530_830] Intoduction from a new member + a few silly questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 13:18:07 UTC
From: william stephenson
Topic: 1375 Message: 1376

Hi Jon,
name here is Bill, G4KKI in Manchester, if you look in the TS830
Manual page 18
you have missed a paragraph which is between nthe 2 pictures of the 830, it
is para 6,
it tells you " place the meter switch to IP and dip the plate, dip will be
typically only about 5ma. then you
go to para 7, whereit syas place meter switch in RF and peak the load
control.
I usually tune my TS530 up into a dummy load first and then switch over to
my antenna which is allways
tuned to the band i am operating on.

73 de Bill G4KKI
----- Original Message -----
From: "Jon (M1CBH)" <m1cbh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, March 04, 2004 11:46 AM
Subject: [TS-520_820_530_830] Intoduction from a new member + a few silly
questions

> Hi Group,
>
> My name is Jon and hold the callsign of M1CBH.
>
> Just been lent a TS-830S and wanted to ask a few (maybe silly) questions.
>
> 1. The manual seems to suggest that during tune up, you adjust the plate
control for a maximum reading on the meter(with the meter switch to set RF),
should I peak it, or dip it?
>
> 2. Is there way to reduce output power(sorry for this question, but i'm
used to a "set power" button).
>
> These questions may appear silly but it's the first piece of valve
equipment i've ever used.
>
> thanks in advance,
>
> regards and 73's,
>
> de Jon, M1CBHr
>
> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links
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1377. Re: [TS-520_820_530_830] Mic rewire

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 13:29:06 UTC
From: Bill K0ZL
Topic: 1370 Message: 1377

Jesse I can work something up for you but it is going
to take a few days; working 2 jobs here.

73,

Bill

--- Jesse Fields <jessdog259@...> wrote:
> Bill can you maybe give a clue to the
> wireing for the MC-50 to the TS-140
> Jesse
>
>
>
>
>
>
>
>
>
>
> Bill K0ZL <coorsbill@...> wrote:Yep.
>
>
> --- Jesse wrote:
> > Can I put the MC-50 on my TS-140?????????????/
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> TS-520_820_530_830-unsubscribe@yahoogroups.com
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1378. Re: [TS-520_820_530_830] Intoduction from a new member + a few silly questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 13:39:51 UTC
From: Bill K0ZL
Topic: 1375 Message: 1378

see my responses:

--- "Jon (M1CBH)" <m1cbh@...> wrote:
> Hi Group,
>
> My name is Jon and hold the callsign of M1CBH.
>
> Just been lent a TS-830S and wanted to ask a few
> (maybe silly) questions.
>
> 1. The manual seems to suggest that during tune up,
> you adjust the plate control for a maximum reading
> on the meter(with the meter switch to set RF),
> should I peak it, or dip it?

PEAK IT on RF; DIP IT if looking at IP.

> 2. Is there way to reduce output power(sorry for
> this question, but i'm used to a "set power"
> button).

Yes, in our files somewhere is a schematic using a 9 volt battery and the "alc" input in the back of the rig to "fool" it into running reduced power.

>
> These questions may appear silly but it's the first
> piece of valve equipment i've ever used.

Haven't seen any silly questions on this group yet.

Enjoy the "new" rig!

Bill K0ZL

=====

"If in doubt, MODIFY" --k0zl

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1379. Re: 6146W vs 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-05 10:08:39 UTC
From: Bob M
Topic: 1359 Message: 1379

Bill, Does this also mean that the output Tx will be slightly lower??

Bob M

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Yes and no.
>
> The W is still 25 watts plate dissipation, whereas the
> B is 35 watts.
>
> Keep in mind, any tube can be run over it's plate
> dissipation for short periods of time; ssb and cw are
> fine, but PSK, AM and FM will cause plate dissipation
> to be exceeded for longer than might be desirable.
> While this won't necessarily kill a tube, it will
> shorten the life. How much depends on the "area under
> the curve", that is, how much and how often the
> ratings are exceeded, along with cooling; a 25 watt
> tube with lots of cooling might fair better than a 35
> watt tube with a dirty fan or one that's frozen up.
>
> The thing that seems to kill tubes, regardless of
> variety, is excessive key-down time out of resonance;
> guys that don't know how to tune up quickly (or have
> forgotten or lost their touch) are murder on any tube;
> sweep, 6146 or big linear tubes. Get them resonated
> or dipped quickly and you will go a long way toward
> preserving your tube life, regardless of the
> application.
>
> bill
>
>
>
> --- taephono <taephono@y...> wrote:
> > I have seen alot of the 6146W tubes around, can
> > these be safely
> > substitued for the 6146B ??
> >
> > 73,
> > Clint - ws1v
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL

> > <coorsbill@y...>
> > wrote:
> > > They will work fine; if you are running PSK, just
> > keep
> > > your output around 25 watts or less. With B's you
> > can
> > > go to about 45 or 50 watts.
> > >
> > > If you are handy, it may actually be more
> > economical
> > > to run A's in there, maybe you have to change them
> > > every 6 years instead of every ten? hi.
> > >
> > > Lube yer fan while you are in there. Any
> > hypo-type
> > > oiler will work; there are little holes in the
> > bearing
> > > cups on either end.
> > >
> > > If you have a 0.001 uF 1000 volt disk cap, solder
> > it
> > > across the fan terminals, will help prevent
> > harmonic
> > > radiation on the AC line from the fan leads.
> > >
> > >
> > >
> > >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> _____
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1380. Re: [TS-520_820_530_830] Re: 6146W vs 6146B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-05 13:52:01 UTC
From: Bill K0ZL
Topic: 1359 Message: 1380

No, plate dissipation does not determine output; tube
conductance, circuit design, and most importantly
screen and plate voltage determines the max output.

An "A" or "W" tube may actually have more gain and
more output than a given "B" series tube.

bill

--- Bob M <baysideq@...> wrote:
> Bill, Does this also mean that the output Tx will be
> slightly lower??
>
> Bob M
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Yes and no.
> >
> > The W is still 25 watts plate dissipation, whereas
> the
> > B is 35 watts.
> >
> > Keep in mind, any tube can be run over it's plate
> > dissipation for short periods of time; ssb and cw
> are
> > fine, but PSK, AM and FM will cause plate
> dissipation
> > to be exceeded for longer than might be desirable.
> > While this won't necessarily kill a tube, it will
> > shorten the life. How much depends on the "area
> under
> > the curve", that is, how much and how often the
> > ratings are exceeded, along with cooling; a 25
> watt
> > tube with lots of cooling might fair better than a
> 35
> > watt tube with a dirty fan or one that's frozen
> up.
> >
> > The thing that seems to kill tubes, regardless of
> > variety, is excessive key-down time out of
> resonance;
> > guys that don't know how to tune up quickly (or
> have

> > forgotten or lost their touch) are murder on any
> tube;
> > sweep, 6146 or big linear tubes. Get them
> resonated
> > or dipped quickly and you will go a long way
> toward
> > preserving your tube life, regardless of the
> > application.
> >
> > bill
> >
> >
> >
> > --- taephono <taephono@y...> wrote:
> > > I have seen alot of the 6146W tubes around, can
> > > these be safely
> > > substitued for the 6146B ??
> > >
> > > 73,
> > > Clint - ws1v
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > > <coorsbill@y...>
> > > wrote:
> > > > They will work fine; if you are running PSK,
> just
> > > keep
> > > > your output around 25 watts or less. With B's
> you
> > > can
> > > > go to about 45 or 50 watts.
> > > >
> > > > If you are handy, it may actually be more
> > > economical
> > > > to run A's in there, maybe you have to change
> them
> > > > every 6 years instead of every ten? hi.
> > > >
> > > > Lube yer fan while you are in there. Any
> > > hypo-type
> > > > oiler will work; there are little holes in the
> > > bearing
> > > > cups on either end.
> > > >
> > > > If you have a 0.001 uF 1000 volt disk cap,
> solder
> > > it
> > > > across the fan terminals, will help prevent

> > > harmonic
> > > > radiation on the AC line from the fan leads.
> > > >
> > > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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1381. thanks!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-04 14:42:24 UTC
From: Jon (M1CBH)
Topic: 1381 Message: 1381

Bill G4KKI ;

There seems to be 2 versions of the 830 manual, my original copy(page 18 paragraph 6) reads "Place the METER swithc to RF and peak the PLATE control"

But the copy i've just downloaded(from mods.dk) contains the statement from your email.

QTH is Mansfield, Notts by the way.

Bill K0ZL;

I had a browse through the file section as soon as my membership was approved, didn't notice the 9V battery circuit, just had a look again and found it.

I've got an old SWR/Power meter that i might build the circuit into.

thanks and 73's,

Jon M1CBH

[Non-text portions of this message have been removed]

1382. Kenwood 530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-08 23:54:48 UTC
From: jim greer
Topic: 1382 Message: 1382

I just joined this group, I have had several 520 s in the past and just aquired a 530, but is is still in shipping, can anybody tell me the difference between a 520 and a 530, thanks Jim kf4boj

---

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[Non-text portions of this message have been removed]

1383. Re: [TS-520_820_530_830] Kenwood 530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-09 02:15:36 UTC
From: Bill K0ZL
Topic: 1382 Message: 1383

530 is PLL for band selection (no xtals); digital
readout, better IF, and WARC band coverage (12, 17,
30M).

Bill

--- jim greer <jimknuck2003@...> wrote:
> I just joined this group, I have had several 520 s
> in the past and just aquired a 530, but is is still
> in shipping, can anybody tell me the difference
> between a 520 and a 530, thanks Jim kf4boj
>
>
> ---------------------------------
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>
> TS-520_820_530_830-unsubscribe@yahoogroups.com
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1384. TS-520 Paddle Switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-09 13:34:56 UTC
From: w0spy
Topic: 1384 Message: 1384

The Heater switch and the Noise Blanker switch paddles are messed up on my TS-520. I pulled the plastic paddles out and flipped the switch up or down with a small screwdriver and am just leaving them alone now. Has anyone replaced them? Can you just replace the paddle and get the switch engaged OK? Where is a source of switches?
Don

1385. TS-530s extremely poor rx sensitivity

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-09 23:07:23 UTC
From: Ron Kienzle
Topic: 1385 Message: 1385

I have acquired a TS-530s in excellent cosmetic condition. I would like to sell it. However, it has extremely poor sensitivity -- it won't even hear the calibrator signal at frequencies below 20 meters and just barely at frequencies above.

It transmits just fine. Looks good on the scope. Full power on the wattmeter.

I tweaked the IF coils and the Antenna and Mixer coils -- absolutely no affect.

Is this rig a basket case? Should I sell it as is (I'd need to get about $235 for it)? Should I send it to K0ZL? Or, am I overlooking something very simple?

Thanks in advance for any help you can come up with.

73,

--Ron (KZ7P)

1386. Earthing the antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 00:41:16 UTC
From: Grant McDuling
Topic: 1386 Message: 1386

G'day Guys,

I was wondering whether I need disconnect my antenna from my TS-520 and earth it when not in use. I do this each day as a matter of course, but perhaps there is no need seeing the rig is earthed. I have an SO239 that is attached to my earth bar and it's into this that I connect my antenna when not in use. What's thea general thinking on this?

Cheers
Grant
VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at
www.zeus-publications.com

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[Non-text portions of this message have been removed]

1387. Grounding on a Boat

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 02:14:46 UTC
From: jimknuck2003
Topic: 1387 Message: 1387

I will be installing a 530 on a boat on fresh water. Part of the time it will be connected to 110v ac shore power on a steel framed dock , other times I will be out in the water with a 110v AC generator that is part of the boat. I was wondering the best way to ground. I will be using an inverted V slinky dipole. thanks Jim KF4BOJ

1388. Re: Earthing the antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 02:21:35 UTC
From: Ron Kienzle
Topic: 1386 Message: 1388

Hi, Grant. Lightning is strange and it will do anything it wants to, grounding (earthing) or not. I believe that it is nearly impossible for the average ham to fully protect against it.

However, one thing you can do is to guard against the build-up of static electricity and bleed it to ground before large potential differences build. When not in use, everything should be grounded -- your rig, your antenna, your electrical system. Grounding the rig itself has some interesting possibilities -- if your ground system isn't perfect, you could be providing a path for transient currents to enter the rig; on the other hand, short circuiting stray EMF to ground will help prevent damage to the transceiver. Obviously, you need to completely disconnect the feedline from the rig and ground both conductors, too.

The techniques for doing this can be elaborate. There are several articles in back issues of QST. Maybe I'll write one myself someday -- but brush up on grounding techniques and you'll be fine.

--Ron (KZ7P)

--- In TS-520_820_530_830@yahoogroups.com, Grant McDuling <grantmcduling@y...> wrote:
> G'day Guys,
>
> I was wondering whether I need disconnect my antenna from my TS-520 and earth it when not in use. I do this each day as a matter of course, but perhaps there is no need seeing the rig is earthed. I have an SO239 that is attached to my earth bar and it's into this that I connect my antenna when not in use. What's thea general thinking on this?
>
> Cheers
> Grant
> VK4JAZ
>
>
>
> Author, writer and telegraphist.
> New book just released. Check out The Business OF Freelance Journalism at www.zeus-publications.com
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>
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> Find local movie times and trailers on Yahoo! Movies.

>
>
> [Non-text portions of this message have been removed]

1389. Re: Grounding on a Boat

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 02:30:50 UTC
From: Ron Kienzle
Topic: 1387 Message: 1389

What is your hull material? -- if aluminum or steel you are extremely fortunate. If fiberglass, like my 44' houseboat, you have some work to do. You need a minimum of 150 square feet of ground for HF transmission on a boat. Then, you need to worry about electrolysis. Icom marine used to have some technical information about grounding on their website -- google around and see if you can find it.

First rule: Have FUN!

--Ron (KZ7P)

--- In TS-520_820_530_830@yahoogroups.com, "jimknuck2003" <jimknuck2003@y...> wrote:
> I will be installing a 530 on a boat on fresh water. Part of the
> time it will be connected to 110v ac shore power on a steel framed
> dock , other times I will be out in the water with a 110v AC
> generator that is part of the boat. I was wondering the best way to
> ground. I will be using an inverted V slinky dipole. thanks Jim
KF4BOJ

1390. Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-09 23:43:29 UTC
From: bdanford2001
Topic: 1390 Message: 1390

Hello, my name is Bill and my call is W8EFA.

Suddenly I can not transmit on 10 meters. I notice that the band switch is a little intermittent in that if I move it around a little signals come in and out on receive .

If I open the case can the switch be checked or cleaned or what would you recommend?

Thanks,

Bill

1391. Re: [TS-520_820_530_830] TS-530s extremely poor rx sensitivity

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 04:15:37 UTC
From: Bill K0ZL
Topic: 1385 Message: 1391

Good to hear from you again, Ron!

Most likely, a bad 160 meter antenna coil. These are
used on all other bands as a transformer, so if it
fails, everything goes.

230 would be good price as-is and would allow for
repairs.

73,

Bill K0ZL

--- Ron Kienzle <ron@...> wrote:
> I have acquired a TS-530s in excellent cosmetic
> condition. I would
> like to sell it. However, it has extremely poor
> sensitivity -- it
> won't even hear the calibrator signal at frequencies
> below 20 meters
> and just barely at frequencies above.
>
> It transmits just fine. Looks good on the scope.
> Full power on the
> wattmeter.
>
> I tweaked the IF coils and the Antenna and Mixer
> coils -- absolutely
> no affect.
>
> Is this rig a basket case? Should I sell it as is
> (I'd need to get
> about $235 for it)? Should I send it to K0ZL? Or, am
> I overlooking
> something very simple?
>
> Thanks in advance for any help you can come up with.
>
> 73,
>
> --Ron (KZ7P)
>
>
>
>
>

=====

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1392. Re: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 04:17:25 UTC
From: Bill K0ZL
Topic: 1390 Message: 1392

Most likely a cracked bandswitch coupling... the black
or white plastic thing, just inside the PA cage...
look at it with bright light, you will see some cracks
at the setscrews.

bill

--- bdanford2001 <bdanford@...> wrote:
> Hello, my name is Bill and my call is W8EFA.
>
> Suddenly I can not transmit on 10 meters. I notice
> that the band
> switch is a little intermittent in that if I move it
> around a little
> signals come in and out on receive .
>
> If I open the case can the switch be checked or
> cleaned or what
> would you recommend?
>
> Thanks,
>
> Bill
>
>
>

=====

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1393. Re: [TS-520_820_530_830] Earthing the antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 04:19:06 UTC
From: Bill K0ZL
Topic: 1386 Message: 1393

Most of the lightning damage I have seen came in on
grounds; if the antenna was disconnected and the rig
damaged, it came in on the AC line, through
accessories or up the ground wire itself.

Pulling the antenna off will help but if the rig is
connected to the antenna ground some other way, the
current can still cause damage.

bill

--- Grant McDuling <grantmcduling@...> wrote:
> G'day Guys,
>
> I was wondering whether I need disconnect my antenna
> from my TS-520 and earth it when not in use. I do
> this each day as a matter of course, but perhaps
> there is no need seeing the rig is earthed. I have
> an SO239 that is attached to my earth bar and it's
> into this that I connect my antenna when not in use.
> What's thea general thinking on this?
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> Cheers
> Grant
> VK4JAZ
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> Author, writer and telegraphist.
> New book just released. Check out The Business OF
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1394. Re: [TS-520_820_530_830] Grounding on a Boat

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 04:25:32 UTC
From: Bill K0ZL
Topic: 1387 Message: 1394

#8 green wire to your boat ground plate connection.

Critical to safety as the 530 has a two-wire cord and
there could be enough leakage to cause some discomfort
to the operator! or the wife (shudder).

Ground the rig before plugging it in.

bill

--- jimknuck2003 <jimknuck2003@...> wrote:
> I will be installing a 530 on a boat on fresh
> water. Part of the
> time it will be connected to 110v ac shore power on
> a steel framed
> dock , other times I will be out in the water with a
> 110v AC
> generator that is part of the boat. I was wondering
> the best way to
> ground. I will be using an inverted V slinky dipole.
> thanks Jim KF4BOJ
>
>

=====

"If in doubt, MODIFY" --k0zl

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1395. Marine Grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 14:09:51 UTC
From: kb2kfv@aol.com
Topic: 1395 Message: 1395

Hi
I Hope this helps
Cut and PAste this site for info:
http://us.binnacle.com/online/dept.asp?dept_id=3130 for two different ground plates
usually mounted AFt below the water line and has a wire which runs back into the electrical system and passenger compartment for grounding Loran, mariene radio, etc.....

Go to: http://www.icomamerica.com/support/documents/antena_grounding.pdf
for a free manual on grounding radios

73
Ken -KB2KFV

[Non-text portions of this message have been removed]

1397. Seeking some more help - Hand mike for a TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 18:07:31 UTC
From: n2tmc
Topic: 1397 Message: 1397

I want to get a hand mike for my TS-520. I was out at the local hamfest last weekend and there are so many for sale but I have no idea what would be a good choice. Help!

TNX
73
George
N2TMC

1398. RE: [TS-520_820_530_830] More help needed-Hand mike for a 530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 19:08:26 UTC
From: Ron Kienzle
Topic: 1398 Message: 1398

I use the Kenwood MC-35s mic. It's big and clunky but works well. You can probably get a nice one on eBay for under $15.

--Ron (KZ7P)

-----Original Message-----
From: n2tmc [mailto:n2tmc@...]
Sent: Wednesday, March 10, 2004 1:03 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] More help needed-Hand mike for a 530

I want to get a hand mike for my 530. I was out at the hamfest last weekend and there are so many mikes there. What would be a good choice to use? Thanks so much.

George
N2TMC

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[Non-text portions of this message have been removed]

1399. Re: [TS-520_820_530_830] More help needed-Hand mike for a 530

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 21:12:22 UTC
From: G Bay
Topic: 1398 Message: 1399

I use a hand mike from an old Drake 2 meter rig
on my 530s good reports and Works great.
Why, the ham fest was almost over,
had to buy the rig with the mike and then resell rig (hate two meters)
Try doing that on ebay!
73
Gary
WB3DSJ

n2tmc <n2tmc@...> wrote:
I want to get a hand mike for my 530. I was out at the hamfest last
weekend and there are so many mikes there. What would be a good
choice to use? Thanks so much.

George
N2TMC

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[Non-text portions of this message have been removed]

1400. RE: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 23:36:41 UTC
From: Bill danford
Topic: 1390 Message: 1400

Thanks Bill,

What is a PA cage? If I check it out and the coupling is cracked do I
replace the whole switch? Is that hard to find the part or hard to
repair?
Just curious before I attempt to open it up.
Thanks,

Bill W8EFA
Also Curious if I were to send the ts520 to your shop in Colorado how
long would it be gone and about how much to get tuned up and fixed etc.

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Tuesday, March 09, 2004 11:17 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Band Switch Problem?

Most likely a cracked bandswitch coupling... the black
or white plastic thing, just inside the PA cage...
look at it with bright light, you will see some cracks
at the setscrews.

bill

--- bdanford2001 <bdanford@...> wrote:
> Hello, my name is Bill and my call is W8EFA.
>
> Suddenly I can not transmit on 10 meters. I notice
> that the band
> switch is a little intermittent in that if I move it
> around a little
> signals come in and out on receive .
>
> If I open the case can the switch be checked or
> cleaned or what
> would you recommend?
>
> Thanks,
>
> Bill
>
>
>

=====

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1401. Grounding the rig

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 23:42:04 UTC
From: Grant McDuling
Topic: 1401 Message: 1401

Thanks everyone for answering my question about grounging the antenna. Good point you raise, Bill. I guess disconnecting the antenna from the rig is a must, but are you saying I should also disconnect the chassis ground as well? What I have in mind is using one of those coax switches to switch the antenna from the rig to ground. That way I won't have to physically unplug the antenna lead each time I shut the station down. That would be sufficient, wouldn't it?

Grant
VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at www.zeus-publications.com

---
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[Non-text portions of this message have been removed]

1402. For Trade

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 12:45:07 UTC
From: w4cdf@aol.com
Topic: 1402 Message: 1402

Hello,
I have a Kenwood TS-120 I would like to trade for a Kenwood TS-520SE.
It has a non kenwood hand mic, power cord, op. manual, and service manual.
Case is a 7.5 to 8, operation is 100%.
I am only looking for the SE version and it must be 100% operational.
If interested please send email with discription.
Thank You,
Charlie W4CDF

[Non-text portions of this message have been removed]

1403. Re: [TS-520_820_530_830] Seeking some more help - Hand mike for a TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-10 18:38:14 UTC
From: Ian Tough
Topic: 1397 Message: 1403

Hi George,

You could do a lot worse than the Kenwood MC-50 desk mic. It was the recommended unit for the 520 and there are plenty of them available through the various sales and wants boards (and eBay if you want to take your chances!).

I use one on my old TS-820 and the audio reports are always very good.

Ian (G0IHK).
Subject: [TS-520_820_530_830] Seeking some more help - Hand mike for a TS-520

I want to get a hand mike for my TS-520.......

TNX
73
George
N2TMC

[Non-text portions of this message have been removed]

1404. RE: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 00:35:26 UTC
From: Bill K0ZL
Topic: 1390 Message: 1404

That's the sheet metal enclosure for the power tubes.

Look for the coupling, a plastic piece that goes
between the rear-most part of the bandswitch in the PA
cage and the long shaft that does the rest of the
bandswitch job.

You can change this yourself with a 1.5 mm hex allen
wrench and some coaching.

b

--- Bill danford <bdanford@...> wrote:
> Thanks Bill,
>
> What is a PA cage? If I check it out and the
> coupling is cracked do I
> replace the whole switch? Is that hard to find the
> part or hard to
> repair?
> Just curious before I attempt to open it up.
> Thanks,
>
> Bill W8EFA
> Also Curious if I were to send the ts520 to your
> shop in Colorado how
> long would it be gone and about how much to get
> tuned up and fixed etc.
>
> -----Original Message-----
> From: Bill K0ZL [mailto:coorsbill@...]
> Sent: Tuesday, March 09, 2004 11:17 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Band Switch
> Problem?
>
> Most likely a cracked bandswitch coupling... the
> black
> or white plastic thing, just inside the PA cage...
> look at it with bright light, you will see some
> cracks
> at the setscrews.
>
> bill
>
> --- bdanford2001 <bdanford@...> wrote:

> > Hello, my name is Bill and my call is W8EFA.
> >
> > Suddenly I can not transmit on 10 meters. I
> notice
> > that the band
> > switch is a little intermittent in that if I move
> it
> > around a little
> > signals come in and out on receive .
> >
> > If I open the case can the switch be checked or
> > cleaned or what
> > would you recommend?
> >
> > Thanks,
> >
> > Bill
> >
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>
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> =====
>
> "If in doubt, MODIFY" --k0zl
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1405. Re: [TS-520_820_530_830] Grounding the rig

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 00:36:30 UTC
From: Bill K0ZL
Topic: 1401 Message: 1405

Like I said, most lightning current comes in via the
grounds! that would be the shield braids on the coax,
the grounding switch and the big green wire to ground
from the rig chassis.

More later...

bill

--- Grant McDuling <grantmcduling@...> wrote:
> Thanks everyone for answering my question about
> grounging the antenna. Good point you raise, Bill. I
> guess disconnecting the antenna from the rig is a
> must, but are you saying I should also disconnect
> the chassis ground as well? What I have in mind is
> using one of those coax switches to switch the
> antenna from the rig to ground. That way I won't
> have to physically unplug the antenna lead each time
> I shut the station down. That would be sufficient,
> wouldn't it?
>
> Grant
> VK4JAZ
>
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>
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1406. RE: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 01:44:36 UTC
From: Dale Cole
Topic: 1390 Message: 1406

Hey Bill.....
Bill has probably hit the nail on the head.....common problem with KW 520-830 rigs. Band switch is plastic with set screws often tightened down and causing cracking (especially on 10 m for some reason) and the use of dis-similar metals on the band switch contacts themselves. Had same problem with my old 830. Fix was not expensive. Of course definition of expensive is in the eyes of the beholder...hi hi

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: Wednesday, March 10, 2004 06:37:05 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Band Switch Problem?

Thanks Bill,

What is a PA cage? If I check it out and the coupling is cracked do I replace the whole switch? Is that hard to find the part or hard to repair?
Just curious before I attempt to open it up.
Thanks,

Bill W8EFA
Also Curious if I were to send the ts520 to your shop in Colorado how long would it be gone and about how much to get tuned up and fixed etc.

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Tuesday, March 09, 2004 11:17 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Band Switch Problem?

Most likely a cracked bandswitch coupling... the black
or white plastic thing, just inside the PA cage...
look at it with bright light, you will see some cracks
at the setscrews.

bill

--- bdanford2001 <bdanford@...> wrote:
> Hello, my name is Bill and my call is W8EFA.
>
> Suddenly I can not transmit on 10 meters. I notice
> that the band
> switch is a little intermittent in that if I move it
> around a little

> signals come in and out on receive .
>
> If I open the case can the switch be checked or
> cleaned or what
> would you recommend?
>
> Thanks,
>
> Bill
>
>
>

=====

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[Non-text portions of this message have been removed]

1407. Re: [TS-520_820_530_830] Grounding the rig

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 01:14:44 UTC
From: Paul Manuel
Topic: 1401 Message: 1407

--- Grant McDuling <grantmcduling@...> wrote:
> What I have in mind is using one of those coax switches
> to switch the antenna from the rig to ground. That way I won't have to
> physically unplug the antenna lead each time I shut the station down.
> That would be sufficient, wouldn't it?

No, that absolutely will not be sufficient. Your system, if struck by lightning, will act as a voltage divider...Yes, the majority of the current will go toward ground (until it burns up one of your ground connections) and then could jump as much as several inches to find ground some other way.
I work on broadcast transmitters and have seen a lot of lightning damage. All broadcast trasmitters are grounded much more thoroughly than any amateur station, and lightning still gets them from time-to-time, and not just mountaintop locations either. I'm not saying that I always do it...but we SHOULD always disconnect our antennas, and I always try to when storms are forecast.
NOTHING will protect you from a direct strike.
73,
Paul K4PDM

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1408. Re: [TS-520_820_530_830] Grounding the rig

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 02:13:38 UTC
From: Bill K0ZL
Topic: 1401 Message: 1408

Ok here is my setup:

All of my antennas come to a bulkhead built into the outside wall of the shack; bulkhead is copper plate about 12" square with UHF bushings or feedthru connectors. Coax ends at the bulkhead out side, then I use coax jumpers to what ever radio I am running.

I cut a hole in the wall and framed it for the plate. the plate is on the inside wall; the outside is recessed and trimmed with plywood to look nice. Sort of.

When t'storms approach or when I leave the shack during the lightning months, I just disconnect all the coax cables from the bulkhead. They hang down on cable clamps so that they are easy to restore when I am ready.

Now, all the rigs are grounded for safety either through a third prong AC cord, or through the negative return to the DC power supply (which is grounded via 3rd prong to the house safety ground). That way, the safety ground is SORT OF separate from the antenna ground. Oh yes, the bulkhead has it's own ground rod, separate from the house ground.

So I have somewhat broken the major current loop that would exist through the coax braid grounds to the house safety ground.

If the house safety ground gets lifted above "real" ground by lightning strike, everything that is on that ground goes with it. No damage occurs until the potential is reached where things start to arc over to neutral, or to hot thru the switcher power supply, or whatever.

If the antenna grounds get lifted above "real" ground by a strike, again nothing happens unless the charge starts to migrate elsewhere, which it usually does.

I have had several very close strikes that in the past I know would have blown things up in the shack; and, knock on wood, I have not had any lightning damage in the shack since installing the bulkhead and USING it.

bill

--- Grant McDuling <grantmcduling@...> wrote:
> Thanks everyone for answering my question about
> grounging the antenna. Good point you raise, Bill. I
> guess disconnecting the antenna from the rig is a
> must, but are you saying I should also disconnect
> the chassis ground as well? What I have in mind is
> using one of those coax switches to switch the
> antenna from the rig to ground. That way I won't
> have to physically unplug the antenna lead each time
> I shut the station down. That would be sufficient,
> wouldn't it?
>
> Grant
> VK4JAZ
>
>
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>
> Author, writer and telegraphist.
> New book just released. Check out The Business OF
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1409. Re: [TS-520_820_530_830] Grounding the rig

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 02:24:52 UTC
From: Bill K0ZL
Topic: 1401 Message: 1409

Paul is right... when things start getting lit up in
the shack, there's going to be damage.

All that stuff I posted will help reduce induced
current damage and may even ride you through a very
small feeder strike (the ones that are invisible on
the time-exposures that you see of lightning hits).

Will also help with rain or wind-induced static hits,
which are a majority of my static damage repair work
by the way. Nothing outlandish, just a punched-out
switching diode or minor board damage, or blown surge
arrestor tube.

Broadcasters can't disconnect; they have to TAKE IT,
hehe...

b

--- Paul Manuel <k4pdm@...> wrote:
>
> --- Grant McDuling <grantmcduling@...>
> wrote:
> > What I have in mind is using one of those coax
> switches
> > to switch the antenna from the rig to ground. That
> way I won't have to
> > physically unplug the antenna lead each time I
> shut the station down.
> > That would be sufficient, wouldn't it?
>
> No, that absolutely will not be sufficient. Your
> system, if struck by
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> majority of the
> current will go toward ground (until it burns up one
> of your ground
> connections) and then could jump as much as several
> inches to find ground
> some other way.
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> All broadcast trasmitters are grounded much more
> thoroughly than any
> amateur station, and lightning still gets them from
> time-to-time, and not

> just mountaintop locations either. I'm not saying
> that I always do
> it...but we SHOULD always disconnect our antennas,
> and I always try to
> when storms are forecast.
> NOTHING will protect you from a direct strike.
> 73,
> Paul K4PDM
>
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1410. RE: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 02:25:42 UTC
From: Bill K0ZL
Topic: 1390 Message: 1410

Well the coupling is about six bucks.

It's the labor and shipping that can get ya.

b

--- Dale Cole <k9ttt@...> wrote:
> Hey Bill.....
> Bill has probably hit the nail on the
> head.....common problem with KW
> 520-830 rigs. Band switch is plastic with set
> screws often tightened down
> and causing cracking (especially on 10 m for some
> reason) and the use of
> dis-similar metals on the band switch contacts
> themselves. Had same problem
> with my old 830. Fix was not expensive. Of course
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> is in the eyes of the beholder...hi hi
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: Wednesday, March 10, 2004 06:37:05 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: RE: [TS-520_820_530_830] Band Switch
> Problem?
>
> Thanks Bill,
>
> What is a PA cage? If I check it out and the
> coupling is cracked do I
> replace the whole switch? Is that hard to find the
> part or hard to
> repair?
> Just curious before I attempt to open it up.
> Thanks,
>
> Bill W8EFA
> Also Curious if I were to send the ts520 to your
> shop in Colorado how
> long would it be gone and about how much to get
> tuned up and fixed etc.
>
> -----Original Message-----
> From: Bill K0ZL [mailto:coorsbill@...]

> Sent: Tuesday, March 09, 2004 11:17 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Band Switch
> Problem?
>
> Most likely a cracked bandswitch coupling... the
> black
> or white plastic thing, just inside the PA cage...
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> cracks
> at the setscrews.
>
> bill
>
> --- bdanford2001 <bdanford@...> wrote:
> > Hello, my name is Bill and my call is W8EFA.
> >
> > Suddenly I can not transmit on 10 meters. I
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> > that the band
> > switch is a little intermittent in that if I move
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> =====
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1411. Re: [TS-520_820_530_830] Earthing the antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 05:19:19 UTC
From: f x
Topic: 1386 Message: 1411

G'day Grant,

I guess I am a little late in getting to this thread, but here is one more contribution. First, I use antennas which are already at earth ground for DC. These can include most verticals which have a choke between the center conductor and ground. Not possible with dipoles and the like however. Most beams run at DC ground as well.

The earthing setup here is a total of five rods each eight feet long driven in to be flush with the soil surface. These are spaced about 25 feet apart, more or less and connected with #8 copper. In addition, this is interwoven with about 1000 square feet of chicken wire, hot dip galvanized after winding, and bonded with solder and the #8 copper. This is separate from the power line ground, another two eight foot rods out at the poles.

The connection to the shack equipment is via a six foot length of 1 inch copper strap. Each piece of equipment is connected to this copper strap.

I do not disconnect my antennas from the house entrance as Bill does, but I do use an antenna switch to disconnect the antennas, and to ground the input to the rig. A direct hit could arc it, I am sure, but nothing protects totally when God gets angry. Have survived several close hits as Bill described.

Regards

Raleigh NY0Y

Grant McDuling <grantmcduling@...> wrote:
G'day Guys,

I was wondering whether I need disconnect my antenna from my TS-520 and earth it when not in use. I do this each day as a matter of course, but perhaps there is no need seeing the rig is earthed. I have an SO239 that is attached to my earth bar and it's into this that I connect my antenna when not in use. What's thea general thinking on this?

Cheers
Grant
VK4JAZ

Author, writer and telegraphist.
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1412. Re: [TS-520_820_530_830] Earthing the antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 15:58:32 UTC
From: KD5SFA
Topic: 1386 Message: 1412

Well I was recently the victim of an electrostatic discharge due to a nearby strike.
I lost several radios that were grounded to the ground system and not directly attached to an antenna lead and attached to a grounding antenna switch but they were switched off.

I lost a dual band vertical, a tm733a, ft757gx and matching antenna tuner, ft-690rII, satellite recevier, astron power supply, am/fm stereo receiver in the garage, and dsl modem thus far as I know.

Nowthing was visibly damaged except for the antenna and the factory installed smoke that was release from my sherwood receiver. The kenwood dual band will not power on. The 690 is deaf and mute (no receive or transmit), the 757 powers up but no display, the antenna tuner goes into a funky mode. Luckly my ts-520s, 706mkIIg, ic505, and acouple of other rigs were totally disconnected and did not suffer any damage. The dsl modem was on a standalone UPS and must have take the hit via the phone line. The sat receiver was on a surge protecter with the inputs running through the surge protector as well....I can't find my receipt for it though.

I know people that have had radios in a closet that were zapped because the direct hit went though wires in the wall in the back of the closet.

In the future all radios will be disconnected from power, antenna, and grounding unless in use.
I will have one storm radio in use with an attic antenna with battery power during skywarn nets.

It is not a matter of if we will get a lightning strike but a matter of when and how close.

73,
Jon
KD5SFA

still picking fibreglass splinters out of the yard and off the roof....

-----Original Message-----
From: f x <dawnlight1491@...>
Sent: Mar 10, 2004 11:19 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Earthing the antenna

G'day Grant,

I guess I am a little late in getting to this thread, but here is one more contribution. First, I use antennas which are already at earth ground for DC. These can include most verticals which have a choke between the center conductor and ground. Not possible with dipoles and the like however. Most beams run at DC ground as well.

The earthing setup here is a total of five rods each eight feet long driven in to be flush with the soil surface. These are spaced about 25 feet apart, more or less and connected

with #8 copper. In addition, this is interwoven with about 1000 square feet of chicken wire, hot dip galvanized after winding, and bonded with solder and the #8 copper. This is separate from the power line ground, another two eight foot rods out at the poles.

The connection to the shack equipment is via a six foot length of 1 inch copper strap. Each piece of equipment is connected to this copper strap.

I do not disconnect my antennas from the house entrance as Bill does, but I do use an antenna switch to disconnect the antennas, and to ground the input to the rig. A direct hit could arc it, I am sure, but nothing protects totally when God gets angry. Have survived several close hits as Bill described.

Regards

Raleigh NY0Y

Grant McDuling <grantmcduling@...> wrote:
G'day Guys,

I was wondering whether I need disconnect my antenna from my TS-520 and earth it when not in use. I do this each day as a matter of course, but perhaps there is no need seeing the rig is earthed. I have an SO239 that is attached to my earth bar and it's into this that I connect my antenna when not in use. What's thea general thinking on this?

Cheers
Grant
VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at
www.zeus-publications.com

Find local movie times and trailers on Yahoo! Movies.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

1413. RE: [TS-520_820_530_830] Band Switch Problem?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 22:31:59 UTC
From: Walter Milton
Topic: 1390 Message: 1413

Bill,

When my TS-830S started acting up in the same way. I had to have the band switch replaced. I do not know is your problem is as serious.

Walt., KA2NJF
Psalm 1
A child of the living God

-----Original Message-----
From: bdanford2001 [mailto:bdanford@...]
Sent: Tuesday, March 09, 2004 6:43 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Band Switch Problem?

Hello, my name is Bill and my call is W8EFA.

Suddenly I can not transmit on 10 meters. I notice that the band switch is a little intermittent in that if I move it around a little signals come in and out on receive .

If I open the case can the switch be checked or cleaned or what would you recommend?

Thanks,

Bill

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1414. Grounding the rigs and antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-11 23:08:03 UTC
From: Grant McDuling
Topic: 1414 Message: 1414

Bill, Paul and Raleigh,

Many thanks for your contributions. I continue to learn everyday. From now on I will be altering my operating procedures - better to take every precaution possible. Many years ago my house took a derect hit and man, the result was not pretty. Blew away two inner brick walls and ripped straight through the others by making 3 foot diametre holes! The lightening travelled along the wiring in the walls from switch to switch leaving a blackened trail of destruction. The house was earthed too. That was long before I became an amateur but I remain scared of electric storms.

Thanks for your help, fellas.

Grant
VK4JAZ

Author, writer and telegraphist.
New book just released. Check out The Business OF Freelance Journalism at
www.zeus-publications.com

Find local movie times and trailers on Yahoo! Movies.

[Non-text portions of this message have been removed]

1415. Re: [TS-520_820_530_830] Grounding the rigs and antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-12 14:00:13 UTC
From: Bill K0ZL
Topic: 1414 Message: 1415

Nothing we suggest will help with direct hit. Thanks
to God you and family were apparently OK.

Bill

--- Grant McDuling <grantmcduling@...> wrote:
> Bill, Paul and Raleigh,
>
> Many thanks for your contributions. I continue to
> learn everyday. From now on I will be altering my
> operating procedures - better to take every
> precaution possible. Many years ago my house took a
> derect hit and man, the result was not pretty. Blew
> away two inner brick walls and ripped straight
> through the others by making 3 foot diametre holes!
> The lightening travelled along the wiring in the
> walls from switch to switch leaving a blackened
> trail of destruction. The house was earthed too.
> That was long before I became an amateur but I
> remain scared of electric storms.
>
> Thanks for your help, fellas.
>
> Grant
> VK4JAZ
>

=====

"If in doubt, MODIFY" --k0zl

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1416. Re: [TS-520_820_530_830] Grounding the rigs and antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-12 14:21:43 UTC
From: KD5SFA
Topic: 1414 Message: 1416

Ditto !!

Mine was a small feeder or a static discharge and I am still finding things that aren't quite right.
I am looking at re-arranging my shack for better wiring/grounding. It will be a weekend or three project unto itself. Plus I am looking at storms again this weekend.

73,
Jon
KD5SFA
-----Original Message-----
From: Bill K0ZL <coorsbill@...>
Sent: Mar 12, 2004 8:00 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Grounding the rigs and antenna

Nothing we suggest will help with direct hit. Thanks
to God you and family were apparently OK.

Bill

--- Grant McDuling <grantmcduling@...> wrote:
> Bill, Paul and Raleigh,
>
> Many thanks for your contributions. I continue to
> learn everyday. From now on I will be altering my
> operating procedures - better to take every
> precaution possible. Many years ago my house took a
> derect hit and man, the result was not pretty. Blew
> away two inner brick walls and ripped straight
> through the others by making 3 foot diametre holes!
> The lightening travelled along the wiring in the
> walls from switch to switch leaving a blackened
> trail of destruction. The house was earthed too.
> That was long before I became an amateur but I
> remain scared of electric storms.
>
> Thanks for your help, fellas.
>
> Grant
> VK4JAZ
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Groups Links

1417. Re: [TS-520_820_530_830] Grounding the rigs and antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-12 23:45:47 UTC
From: Bill K0ZL
Topic: 1414 Message: 1417

think "star"... all your earth grounds go to one
point.

b
--- KD5SFA <divenut1@...> wrote:
> Ditto !!
>
> Mine was a small feeder or a static discharge and I
> am still finding things that aren't quite right.
> I am looking at re-arranging my shack for better
> wiring/grounding. It will be a weekend or three
> project unto itself. Plus I am looking at storms
> again this weekend.
>
> 73,
> Jon
> KD5SFA
> -----Original Message-----
> From: Bill K0ZL <coorsbill@...>
> Sent: Mar 12, 2004 8:00 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Grounding the rigs
> and antenna
>
> Nothing we suggest will help with direct hit. Thanks
> to God you and family were apparently OK.
>
> Bill
>
> --- Grant McDuling <grantmcduling@...>
> wrote:
> > Bill, Paul and Raleigh,
> >
> > Many thanks for your contributions. I continue to
> > learn everyday. From now on I will be altering my
> > operating procedures - better to take every
> > precaution possible. Many years ago my house took
> a
> > derect hit and man, the result was not pretty.
> Blew
> > away two inner brick walls and ripped straight
> > through the others by making 3 foot diametre
> holes!
> > The lightening travelled along the wiring in the
> > walls from switch to switch leaving a blackened

> > trail of destruction. The house was earthed too.
> > That was long before I became an amateur but I
> > remain scared of electric storms.
> >
> > Thanks for your help, fellas.
> >
> > Grant
> > VK4JAZ
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1418. Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-13 03:57:39 UTC
From: DW
Topic: 1418 Message: 1418

Hi all,

I've noticed that a substantial number of the postings here are in reference to a proper tune up procedure.

I just took a peek at the files section, and there's nothing re: the 520 or 820, only the 830.

I do understand that you experienced Elmers are busy, as Bill recently said, two jobs, but it might be very helpful if someone put together a proper, easy to understand procedure in the files section.

Thanks much, for this & all the other info. Also, thanks Bill for one of the best lists that I've ever seen.

BTW, I'm currently about two weeks behind on my e-mails, so if someone answers & I don't get right back to you, you know why.

TNX again!!

=====
DW White

KE6WYB, Shasta County, CA, CN80vq

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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1419. Re: [TS-520_820_530_830] Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-13 13:39:18 UTC
From: Bill K0ZL
Topic: 1418 Message: 1419

I am not the only one that is busy, eh? hi!

Actually, the tune up procedure is exactly the same
for all the hybrid rigs; whatever method you use that
works, will work on all of them.

there are several methods to tuning up that are both
safe and effective...

You have started a good thread on the subject; if
there is a way we can write a "generic" tune up
procedure that would fit all rigs, I would be glad to
put it together and make a .PDF file out of it for the
group. Again, the only challenge is to properly
identify each control as they are labeled for the
different models. We could also share with the Yaesu
groups as again, the tune up process is the same.

Bill
--- DW <andersonradioactivity@...> wrote:
> Hi all,
>
> I've noticed that a substantial number of the
> postings
> here are in reference to a proper tune up procedure.
>
> I just took a peek at the files section, and there's
> nothing re: the 520 or 820, only the 830.
>
> I do understand that you experienced Elmers are
> busy,
> as Bill recently said, two jobs, but it might be
> very
> helpful if someone put together a proper, easy to
> understand procedure in the files section.
>
> Thanks much, for this & all the other info. Also,
> thanks Bill for one of the best lists that I've ever
> seen.
>
> BTW, I'm currently about two weeks behind on my
> e-mails, so if someone answers & I don't get right
> back to you, you know why.
>
> TNX again!!
>

> =====
> DW White
>
> KE6WYB, Shasta County, CA, CN80vq
>
> Semper Fi
>
> The LORD Is My Rock
> <><And My Fortress
> ><>And My Deliverer Psalm 18:2
>
> _____
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1420. Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-13 14:19:09 UTC
From: Jim
Topic: 1418 Message: 1420

Actually, I am sure there is a tune-up guide for the 820 in the files section because I wrote it and uploaded it! Bill, if you have PDF versions of all the manuals you might talk me into doing a master guide to all the rigs with customized text for each model. Since my antenna is down at the moment and the weather is not suitable for climbing up on the roof . . . well, I have a bit of time on my hands.

Jim

--- In TS-520_820_530_830@yahoogroups.com, DW <andersonradioactivity@y...> wrote:
> Hi all,
>
> I've noticed that a substantial number of the postings
> here are in reference to a proper tune up procedure.
>
> I just took a peek at the files section, and there's
> nothing re: the 520 or 820, only the 830.
>
> I do understand that you experienced Elmers are busy,
> as Bill recently said, two jobs, but it might be very
> helpful if someone put together a proper, easy to
> understand procedure in the files section.
>
> Thanks much, for this & all the other info. Also,
> thanks Bill for one of the best lists that I've ever
> seen.
>
> BTW, I'm currently about two weeks behind on my
> e-mails, so if someone answers & I don't get right
> back to you, you know why.
>
> TNX again!!
>
> =====
> DW White
>
> KE6WYB, Shasta County, CA, CN80vq
>
> Semper Fi
>
> The LORD Is My Rock
> <><And My Fortress
> ><>And My Deliverer Psalm 18:2

>
> _____
> Do you Yahoo!?
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1421. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-13 17:30:49 UTC
From: Bill K0ZL
Topic: 1418 Message: 1421

OK Jim... I will look in the FILES section. I was
pretty sure someone had already done this.

Actually the owners' manuals are usually not too far
off the mark...

b

--- Jim <K1ZC@...> wrote:
> Actually, I am sure there is a tune-up guide for the
> 820 in the
> files section because I wrote it and uploaded it!
> Bill, if you have
> PDF versions of all the manuals you might talk me
> into doing a
> master guide to all the rigs with customized text
> for each model.
> Since my antenna is down at the moment and the
> weather is not
> suitable for climbing up on the roof . . . well, I
> have a bit of
> time on my hands.
>
> Jim
>
>
> --- In TS-520_820_530_830@yahoogroups.com, DW
> <andersonradioactivity@y...> wrote:
> > Hi all,
> >
> > I've noticed that a substantial number of the
> postings
> > here are in reference to a proper tune up
> procedure.
> >
> > I just took a peek at the files section, and
> there's
> > nothing re: the 520 or 820, only the 830.
> >
> > I do understand that you experienced Elmers are
> busy,
> > as Bill recently said, two jobs, but it might be
> very
> > helpful if someone put together a proper, easy to
> > understand procedure in the files section.
> >

> > Thanks much, for this & all the other info. Also,
> > thanks Bill for one of the best lists that I've
> ever
> > seen.
> >
> > BTW, I'm currently about two weeks behind on my
> > e-mails, so if someone answers & I don't get right
> > back to you, you know why.
> >
> > TNX again!!
> >
> > =====
> > DW White
> >
> > KE6WYB, Shasta County, CA, CN80vq
> >
> > Semper Fi
> >
> > The LORD Is My Rock
> > <><And My Fortress
> > ><>And My Deliverer Psalm 18:2
> >
> > _____
> > Do you Yahoo!?
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> spam
> > http://mail.yahoo.com
>
>

=====

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http://mail.yahoo.com

1422. Re: Tune UP procedure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 01:45:06 UTC
From: james27613@att.net
Topic: 1422 Message: 1422

Hi,

I keep a photocopy of page #22 in a page protector
and the band plan in another near the radios.

I remember Drive Plate Load and that is it.

Here is a good link for tune up procedure

http://www.qsl.net/ab8pv/520.htm

73 james ke4drn
> Subject: Tune Up Methods
>
> Hi all,
>
> I've noticed that a substantial number of the postings
> here are in reference to a proper tune up procedure.
>
> I just took a peek at the files section, and there's
> nothing re: the 520 or 820, only the 830.
>
> I do understand that you experienced Elmers are busy,
> as Bill recently said, two jobs, but it might be very
> helpful if someone put together a proper, easy to
> understand procedure in the files section.

1423. Kenwood HC-10 clock

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 02:21:06 UTC
From: kf0hr
Topic: 1423 Message: 1423

Hi all, I just picked up a KNWD HC-10 clock at the ham fest today.

Looking for a manual and the battery back up mod? I prograamed the clock and when I unplug the clock I loose everything?????? Pulled the bottom cover off to peek inside and there is no battery?

I took a look on ebay for a manual and saw an add for a HC-10 clock that has a 9 volt battery mod? can anyone help me?

thanks,
Teran KFØHR in North Dakota

1424. Kenwood HC-10 clock

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 02:08:32 UTC
From: kf0hr
Topic: 1423 Message: 1424

Hi all,

Was at the Fargo ND ham fest today and found a nice KNWD HC-10 clock for in the shack. I have most of the buttons figgered out but would like to get a manual. Anyone know where I can down load a copy or find one? Maybe some one would scan and email me one.

Thanks,
Teran KFØHR in North Dakota

1425. Service Manuals from Manualman.com

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-13 19:55:21 UTC
From: kzerokav
Topic: 1425 Message: 1425

Hi,

Has anyone in the group ever purchased a manual from manualman.com?
I'm thinking about getting a service manual for my 530SP and wonder
about their products. I have used W7FG in the past and know their
product.

Tks,

Van,
K0KAV

1426. Re: Kenwood HC-10 clock

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 09:51:39 UTC
From: Bob M
Topic: 1423 Message: 1426

Go tothis web site for diagram

http://www.mods.dk/view.php?ListManuals=kenwood

Good for most items

Bob M

--- In TS-520_820_530_830@yahoogroups.com, "kf0hr"
<twhermanson@s...> wrote:
> Hi all, I just picked up a KNWD HC-10 clock at the ham fest today.
>
> Looking for a manual and the battery back up mod? I prograamed the
> clock and when I unplug the clock I loose everything?????? Pulled
> the bottom cover off to peek inside and there is no battery?
>
> I took a look on ebay for a manual and saw an add for a HC-10
clock
> that has a 9 volt battery mod? can anyone help me?
>
> thanks,
> Teran KFØHR in North Dakota

1427. Re: Service Manuals TS-530 series <

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 09:58:26 UTC
From: Bob M
Topic: 1425 Message: 1427

I have a 6mb file which covers all the 530 range if you have
somewhere tosend it too.

I also have a contact in France who may be able to send it.'

thomas99@...

He may be able to place it on a FTP site.

*** Bill you may be interested in this one.

Regards
Bob M.

--- In TS-520_820_530_830@yahoogroups.com, "kzerokav" <k0kav@a...>
wrote:
> Hi,
>
> Has anyone in the group ever purchased a manual from
manualman.com?
> I'm thinking about getting a service manual for my 530SP and
wonder
> about their products. I have used W7FG in the past and know their
> product.
>
> Tks,
>
> Van,
> K0KAV

1428. Re:Manual Man is ok !

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 15:24:36 UTC
From: james27613@att.net
Topic: 1428 Message: 1428

Hi,

Manualman (Pete) in NJ is good to deal with.

Fast and professional copies of manuals.

73 james ke4drn

Subject: Service Manuals from Manualman.com

Hi,

Has anyone in the group ever purchased a manual from manualman.com?
I'm thinking about getting a service manual for my 530SP and wonder
about their products. I have used W7FG in the past and know their
product.

1429. Re: [TS-520_820_530_830] Service Manuals from Manualman.com

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 14:24:09 UTC
From: Alan Wolke
Topic: 1425 Message: 1429

Van,

I have purchased manuals from the manualman, and his copies are fantastic. He takes a lot of time and care to reproduce the full sized schematics, and to be sure that the contrast is good on the PCB photos, etc. You won't be disappointed.

73,
Alan W2AEW

kzerokav wrote:

> Hi,
>
> Has anyone in the group ever purchased a manual from manualman.com?
> I'm thinking about getting a service manual for my 530SP and wonder
> about their products. I have used W7FG in the past and know their
> product.
>
> Tks,
>
> Van,
> K0KAV
>
>
>
> --
> Yahoo! Groups Links
>
> * To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> * To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> Service.
>
--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1430. Re: [TS-520_820_530_830] Service Manuals from Manualman.com

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 16:48:35 UTC
From: Keith V
Topic: 1425 Message: 1430

Thanks to James, Alan and the others on this great group who responded to my question regarding manuals. Much appreciated.

73, Van
K0KAV

1431. Re: [TS-520_820_530_830] Re: Service Manuals TS-530 series <

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 17:11:33 UTC
From: Bill K0ZL
Topic: 1425 Message: 1431

Bob, have you loaded this to the FTP site yet?

b

--- Bob M <baysideq@...> wrote:
> I have a 6mb file which covers all the 530 range if
> you have
> somewhere tosend it too.
>
> I also have a contact in France who may be able to
> send it.'
>
> thomas99@...
>
> He may be able to place it on a FTP site.
>
> *** Bill you may be interested in this one.
>
> Regards
> Bob M.
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "kzerokav" <k0kav@a...>
> wrote:
> > Hi,
> >
> > Has anyone in the group ever purchased a manual
> from
> manualman.com?
> > I'm thinking about getting a service manual for my
> 530SP and
> wonder
> > about their products. I have used W7FG in the
> past and know their
> > product.
> >
> > Tks,
> >
> > Van,
> > K0KAV
>
>

=====

"If in doubt, MODIFY" --k0zl

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1432. Re: [TS-520_820_530_830] Re: Kenwood HC-10 clock

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-14 17:46:57 UTC
From: Teran W. Hermanson
Topic: 1423 Message: 1432

Thanks to all for the help on the Kenwood HC-10 clock.
I have it programmed ok now. I would still like to find the mod to
use a 9 volt battery back up.

73,
Teran KFØHR in North Dakota

http://www.kf0hr.com
----- Original Message -----
From: Bob M
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, March 14, 2004 3:51 AM
Subject: [TS-520_820_530_830] Re: Kenwood HC-10 clock

Go tothis web site for diagram

http://www.mods.dk/view.php?ListManuals=kenwood

Good for most items

Bob M

--- In TS-520_820_530_830@yahoogroups.com, "kf0hr"
<twhermanson@s...> wrote:
> Hi all, I just picked up a KNWD HC-10 clock at the ham fest today.
>
> Looking for a manual and the battery back up mod? I prograamed the
> clock and when I unplug the clock I loose everything?????? Pulled
> the bottom cover off to peek inside and there is no battery?
>
> I took a look on ebay for a manual and saw an add for a HC-10
clock
> that has a 9 volt battery mod? can anyone help me?
>
> thanks,
> Teran KFØHR in North Dakota

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1433. Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 11:51:09 UTC
From: Bob M
Topic: 1418 Message: 1433

Is this of any help.

+=========================+=================================+

DO TUBE-TYPE TRANSCEIVERS STILL HAVE A PLACE IN HAM RADIO?
By Robert Bacharach WA2EMF 9/27/2001

PROBLEM:

Many newly-minted amateurs whether young or old want to operate on HF with effective equipment, but in today's difficult economic times are unable to afford the newer equipment that is available.

SOLUTION:

Available on the USED-GEAR MARKET are many transceivers that have established VERY FINE PERFORMANCE RECORDS.
These include, but are not limited to: Kenwood TS-520S/SE, TS-530S, TS-820S, TS-830S; YAESU FT101/E/X, FT-901, FT902.

FEATURES OF THESE RIGS INCLUDE:

- Built-in AC Supplies / Some also come with DC Standard
- All Solid-State Except for Driver and Final Amplifier Stages
- Excellent Receiver Sensitivity: .25microvolt S+N/N 10 db or better
- Good to Excellent Selectivity:
- Excellent SSB Filters
- IF Shift
- Variable Bandpass Tuning
- Notch Filters
- 100 Watt Plus Transmitters on 160 thru 10 Meters
- (some have all WARC bands)
- CW/USB/LSB Modes (KNWD=EXCELLENT AUDIO)
- Capable of RTTY and other HF Digital modes
- TUBE FINALS MORE TOLERANT TO IMPEDANCE MIGRATIONS OF ANTENNA SYSTEM
- Reliable, rugged, long life rigs:
- Some running 25 years or more without tube changes or repairs of any kind: BATTLESHIP CONSTRUCTION
- LOW PRICE FOR FEATURES: $250 TO $500 USUALLY
- NOTE: TS820/TS830 WERE KENWOODS TOP-OF-THE-LINE

HOW TO GET ONE:
- BUY ONE LOCALLY FROM HAM YOU KNOW (TRY IT OUT)
- TAKE ELMER TO FLEE MARKET TO HELP EXAMINE RIG

- INTERNET AUCTIONS: RISKY BUT CAN GET GOOD GEAR

NOW . How do you tune up your new tube-type rig? See Below!
TUNE-UP PROCEDURE FOR TUBE-FINAL RIG: TS-520S

1. ATTACH 50 OHM DUMMY LOAD OR 50 OHM ANTENNA (LESS THAN 2:1
SWR) BEFORE MAKING ADJUSTMENTS

2. SET TRANSCEIVER FREQUENCY BAND AND BAND SEGMENT
- IF ANTENNA USED: TUNE TO CLEAR FREQUENCY

3. CHECK PLATE IDLING CURRENT: BIAS ADJUST
- MODE SWITCH TO USB
- METER SWITCH TO IP (CURRENT)
- STANDBY SWITCH TO SEND
- CHECK IDLING CURRENT OF 60 ma
- IF NOT 60 ma ADJUST BIAS CONTROL (SIDE PANEL)
- IF CURRENT >60 ma DO NOT REMAIN IN "SEND" POSITION FOR MORE
THAN A FEW SECONDS. EXCESSIVE PLATE CURRENT SHORTENS LIFE OF FINAL
AMPLIFIER TUBES
- RETURN STANDBY SWITCH TO REC

4. DRIVE TUNING
- CAR CONTROL COUNTER CLOCKWISE
- METER SWITCH TO ALC
- MODE SWITCH TO TUNE
- STANDBY SWITCH TO SEND
- PEAK ALC READING (MAX DEFLECTION) USING DRIVE CONTROL
- IF NO ALC READING: INCREASE CAR CONTROL UNTIL PRESENT
- RETURN STANDBY SWITCH TO REC

5. PLATE TUNING
- METER SWITCH TO IP
- MODE SWITCH TO TUNE
- TUNE POSITION PERMITS TUNING OF FINAL TANK CIRCUIT AT
REDUCED POWER WITHOUT DANGER TO TUBES
- STANDBY SWITCH TO SEND
- QUICKLY ADJUST PLATE CONTROL FOR DIP (MINIMUM CURRENT)
- RETURN STANDBY SWITCH TO REC
- F I N A L T U N E □ U P PROCEDURE FOR HIGH POWER:
- MODE SWITCH TO CW
- METER SWITCH TO RF
- STANDBY SWITCH TO SEND
- ALTERNATE FOLLOWING ADJUSTMENTS:
- LOAD CONTROL: PEAK (MAXIMUM DEFLECTION)
- PLATE CONTROL: PEAK (MAXIMUM DEFLECTION)
- RETURN STANDBY SWITCH TO REC
- CHECK PLATE CURRENT (IP) BETWEEN 200 AND 250 ma
-
6. RIG IS NOW PROPERLY TUNED: SET MODE AS DESIRED AND GO!

++

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> OK Jim... I will look in the FILES section. I was
> pretty sure someone had already done this.
>
> Actually the owners' manuals are usually not too far
> off the mark...
>
>

1434. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 14:20:11 UTC
From: Bill K0ZL
Topic: 1418 Message: 1434

Bob you are a gift from God.

Thanks again!

Bill K0ZL

--- Bob M <baysideq@...> wrote:
> Is this of any help.
>
>
+==========================+==================================+
>
>
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> RADIO?
> By Robert Bacharach WA2EMF 9/27/2001
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> HF with effective equipment, but in today's
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> Stages
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> - STANDBY SWITCH TO SEND
> - CHECK IDLING CURRENT OF 60 ma
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> - IF CURRENT >60 ma DO NOT REMAIN IN "SEND" POSITION
> FOR MORE
> THAN A FEW SECONDS. EXCESSIVE PLATE CURRENT SHORTENS
> LIFE OF FINAL
> AMPLIFIER TUBES
> - RETURN STANDBY SWITCH TO REC
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> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
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> <coorsbill@y...> wrote:
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>

=====

"If in doubt, MODIFY" --k0zl

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_____
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1435. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 14:28:16 UTC
From: Bill K0ZL
Topic: 1418 Message: 1435

I have converted this to .PDF and it will be in the
group FILES section under OPERATOR AIDS.

73,

Bill K0ZL

--- Bob M <baysideq@...> wrote:
> Is this of any help.
>
>
+==========================+==================================+
>
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> 4. DRIVE TUNING
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> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
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> <coorsbill@y...> wrote:
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=====

"If in doubt, MODIFY" --k0zl

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1436. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 14:29:25 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 1436

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /OPERATOR AIDS/Tune up procedures by Bob WA2EMF.pdf
Uploaded by : k0zl <coorsbill@...>
Description : Tube Rig Tuneup Procedure. Thanks Bob, WA2EMF! de K0ZL 3/16/04

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/OPERATOR%20AIDS/Tune%20up%20procedures%20by%20Bob%20WA2EMF.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

1437. Re: [TS-520_820_530_830] TS-520 Paddle Switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 14:43:29 UTC
From: Bill K0ZL
Topic: 1384 Message: 1437

S44-2018-05
HEATER SWITCH ASSY
STill avail from pac coast parts

S44-2020-05
paddle sw assy for NB, SEND/RX and VOX is
discontinued. Your best bet is a parts rig.

73

Bill

--- w0spy <supergdad@...> wrote:
> The Heater switch and the Noise Blanker switch
> paddles are messed up
> on my TS-520. I pulled the plastic paddles out and
> flipped the
> switch up or down with a small screwdriver and am
> just leaving them
> alone now. Has anyone replaced them? Can you just
> replace the
> paddle and get the switch engaged OK? Where is a
> source of switches?
> Don
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1438. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-15 17:07:02 UTC
From: Peter A Markavage
Topic: 1418 Message: 1438

Although the tune for maximum output (using plate and load controls) after the initial adjustment of dip using the plate control, simple and easy, one should be aware that this procedure will not always tune or keep the plate tank circuit to resonance. At higher frequencies, 10 or 15 meters, a tune for maximum output will almost always result in the tank circuit (due to L and C values) not being in 100% resonance at the frequency of operation. Aging final tubes and improper neutralization will also skew the resonance point further. Being "off resonance" in the tank circuit can result in additional stress in the tubes, higher RF currents in the tank circuit components, additional heat energy being generated, and the possibly of spurious emissions. The last thing you should do, after tuning for maximum output, is to return the meter to the IP position and check and/or adjust the plate control for the "final dip" or resonance point. Any power output reduction (minimal at most) will go unnoticed when working another station.

Pete, WA2CWA

On Mon, 15 Mar 2004 06:20:11 -0800 (PST) Bill K0ZL <coorsbill@...> writes:
> Bob you are a gift from God.
>
> Thanks again!
>
> Bill K0ZL
>
> --- Bob M <baysideq@...> wrote:
> > Is this of any help.
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> > - CHECK PLATE CURRENT (IP) BETWEEN 200 AND 250 ma
> > -
> > 6. RIG IS NOW PROPERLY TUNED: SET MODE AS DESIRED
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>

1439. SP-820 Speaker

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-16 23:55:05 UTC
From: g0ihk
Topic: 1439 Message: 1439

Hi All,

Do any of the members of this group have an SP-820 speaker "lurking"
in the back of a cupboard/shelf? I recently purchased a "cosmetically
challenged" TS-820 that still works great and I would really like to
get the matching speaker for it. Looks are not too important as long
as it works OK. If you have one up for "grabs", email me at
g0ihk@... (no "*"s) with a price including shipping and
handling to the UK.

Cheers - Ian.

1440. TS-820S digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-17 16:11:24 UTC
From: José Pedro Alvarez
Topic: 1440 Message: 1440

Hello all,

My 820 is having the following problems:

1.- When I'm in the process of tuning up, while transmitting on CW adjusting for max power, the digital display goes wild and start changing frequencies very fast. All goes normal when I switch back to receive. This doesn't happen when transmitting on SSB. I guess it may a problem of RF feedback to the rig, but would appreciate any ideas.

2.- Sometimes, usually when I just power up the rig, but sometines after it has been on for a while, the first digit of the display changes to 9, whatever the band the rig is on. On other times the first digit starts changing 9, 0, 1, and after a while the display returns to normal. There is no change in the receiving frequency.

Thanks for the help.

Jose Pedro CA3RVF
Santiago, Chile

1441. 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-17 23:16:29 UTC
From: pchapman9202003
Topic: 1441 Message: 1441

I read back through all post on installing new finals, still a bit confused.

neutrilize if you only replace the 12by7? That is what I want to attack first.

If not the most straight stuff for replacing in an 820. Not interested in the qro mods

1442. Re: [TS-520_820_530_830] 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 00:52:05 UTC
From: Bill K0ZL
Topic: 1441 Message: 1442

I don't neutralize drivers. There is no adjustment for
that. If a tube doesn't work in one rig, I shelve it
and use another.

You only neutralize finals (6146) if they need it.

bill

--- pchapman9202003 <p_chap@...> wrote:
> I read back through all post on installing new
> finals, still a bit
> confused.
>
> neutrilize if you only replace the 12by7? That is
> what I want to
> attack first.
>
> If not the most straight stuff for replacing in an
> 820. Not
> interested in the qro mods
>
>

=====

"If in doubt, MODIFY" --k0zl

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1443. Re: [TS-520_820_530_830] TS-820S digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 01:00:07 UTC
From: rwagner617@aol.com
Topic: 1440 Message: 1443

Sounds like a loose ground connection somewhere. My vfo had alot of problems, jumped around alot, drifted, had missing numbers and it turned out to be dirty connectors and poor grounds. If you seach the Web for info on the TS-820 you will find alot of info on fixing VFO problems.

Good Luck,

Bob WA6OJJ

[Non-text portions of this message have been removed]

1444. neautralize and 6146 replacement?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-16 20:23:44 UTC
From: pchapman9202003
Topic: 1444 Message: 1444

Not looking for a shortcut that creates a problem, but my 820 finals are starting to show about 95 watts out instead of the 110 to 115 that they used to, so 2 questions

1. Should I replace the driver, 12by7, and does it require any thing other than just replacement?

2. Is there a more simple way to neutralize if I do go the final route than what I have read elsewhere?

1445. Re: [TS-520_820_530_830] 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 02:19:53 UTC
From: Gary Commer
Topic: 1441 Message: 1445

That would bring me to my question. When would they need it? Why is it done? I have an old TS530 that stopped working a year or so ago and just have not had the time to tinker with it. I have four or five new 6146 and a couple of new 12BY7 and I am curious about what I have to do with them when I do get to tinker with the rig.

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Bill K0ZL <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 3/17/2004 7:52:19 PM
> Subject: Re: [TS-520_820_530_830] 820 finals
>
> I don't neutralize drivers. There is no adjustment for
> that. If a tube doesn't work in one rig, I shelve it
> and use another.
>
> You only neutralize finals (6146) if they need it.
>
> bill
>
> --- pchapman9202003 <p_chap@...> wrote:
> > I read back through all post on installing new
> > finals, still a bit
> > confused.
> >
> > neutrilize if you only replace the 12by7? That is
> > what I want to
> > attack first.
> >
> > If not the most straight stuff for replacing in an
> > 820. Not
> > interested in the qro mods
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1446. Re: [TS-520_820_530_830] 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 02:37:40 UTC
From: Gary Commer
Topic: 1441 Message: 1446

Ooooooooopps That's a TS 520 not 530.

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Gary Commer <af4ld@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 3/17/2004 9:20:44 PM
> Subject: Re: [TS-520_820_530_830] 820 finals
>
> That would bring me to my question. When would they need it? Why is it
> done? I have an old TS530 that stopped working a year or so ago and just
> have not had the time to tinker with it. I have four or five new 6146 and
a
> couple of new 12BY7 and I am curious about what I have to do with them
when
> I do get to tinker with the rig.
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Bill K0ZL <coorsbill@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 3/17/2004 7:52:19 PM
> > Subject: Re: [TS-520_820_530_830] 820 finals
> >
> > I don't neutralize drivers. There is no adjustment for
> > that. If a tube doesn't work in one rig, I shelve it
> > and use another.
> >
> > You only neutralize finals (6146) if they need it.
> >
> > bill
> >
> > --- pchapman9202003 <p_chap@...> wrote:
> > > I read back through all post on installing new
> > > finals, still a bit
> > > confused.
> > >
> > > neutrilize if you only replace the 12by7? That is
> > > what I want to
> > > attack first.

> > >
> > > If not the most straight stuff for replacing in an
> > > 820. Not
> > > interested in the qro mods
> > >
> > >

1447. Re: [TS-520_820_530_830] neautralize and 6146 replacement?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 07:19:43 UTC
From: Peter A Markavage
Topic: 1444 Message: 1447

Nobody at the other end is going to notice a 15 or 20 watt reduction, if that's truly the case, in your power output. Maybe your line voltage was lower than "normal" when you took the measurement. I replace my finals and/or driver when they burn out, glow bright red, or only put out some small amount of RF. Neutralization of the final, if you need to do it, is simple if you follow the instructions in the manual.
Pete, WA2CWA

On Tue, 16 Mar 2004 20:23:44 -0000 "pchapman9202003"
<p_chap@...> writes:
Not looking for a shortcut that creates a problem, but my 820 finals are starting to show about 95 watts out instead of the 110 to 115 that they used to, so 2 questions

1. Should I replace the driver, 12by7, and does it require any thing other than just replacement?

2. Is there a more simple way to neutralize if I do go the final route than what I have read elsewhere?

[Non-text portions of this message have been removed]

1448. Re: [TS-520_820_530_830] TS-820S digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 11:02:26 UTC
From: Ian Tough
Topic: 1440 Message: 1448

When I bought my TS-820S, the frequency display was completely dead. I followed the Kenwood Service Bulletin on this problem (remove the counter unit, disassemble, clean pins and earth points, reassemble) and it worked great. I am completely non-technical regards radio, so was absolutely amazed when it worked!

Ian (G0IHK).
----- Original Message -----
From: rwagner617@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, March 18, 2004 1:00 AM
Subject: Re: [TS-520_820_530_830] TS-820S digital display problem

Sounds like a loose ground connection somewhere. My vfo had alot of
problems, jumped around alot, drifted, had missing numbers and it turned out to be
dirty connectors and poor grounds. If you seach the Web for info on the TS-820
you will find alot of info on fixing VFO problems.

Good Luck,

Bob WA6OJJ

[Non-text portions of this message have been removed]

Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1449. Re: [TS-520_820_530_830] TS-820S digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 13:32:22 UTC
From: rwagner617@aol.com
Topic: 1440 Message: 1449

Yes, that is the procedure and everytime I have a problem I repeat the procedure being careful not to make additional problems and you will be supprised out many times some poor connection somewhere fixes the problem. I have also found pins on the boards that the connectors slide on to have a loose trace and by reheating them that solves the problem. Check the point with a meter when do to make sure the connection is good. Measure from the pin to some other point on the board. Be very careful if you heat the trace you don't lift the trace or bridge the pins.

Good Luck,

Bob WA6OJJ

[Non-text portions of this message have been removed]

1450. Re: [TS-520_820_530_830] 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 14:10:03 UTC
From: Bill K0ZL
Topic: 1441 Message: 1450

First, try not to mix and match manufacturers when putting in tubes. Make them both GE or whatever, just don't mix them... makes it hard to neutralize them.

Why neutralize?

A grid-driven amplifier has many tube parameters that contribute to instability, among them is the grid-to-plate capacitance. We use tetrodes or pentodes instead of triodes in grid-driven amps to minimize this and make it easier to neutralize.

Grid to plate capacitance causes positive feedback inside the tube; this upsets the applecart in favor of unwanted energy being developed and transmitted.

Neutralization cancels this parameter, somewhat, and is made variable by way of the neutralizing capacitor to account for the different tubes we put in. Each set of tubes will have different grid-to-plate (Cgp) values, so the neutralizing cap must be adjustable.

To tell if your radio needs adjusting, tune for max smoke into a dummy load on 20M (or 10M if that is your favorite band). Observe the plate current "dip" as you tune thru resonance; does the RF output of the rig coincide with the plate current dip, or nearly so? Then you are ok.

If the max RF out (using an external wattmeter or even a CB type bridge will help here, place it right on top of the rig over the rig plate current meter) does NOT coincide with plate current dip, the neutralizing cap is adjusted CAREFULLY until it does, or as close as you can get with it.

Please use caution and an insulated screwdriver; NOT one of those black "antistatic" adjustment tools from Rat Shack; the neutralizing cap rotor has very high voltage on it. The black tools are CONDUCTIVE, boss.

bill
--- Gary Commer <af4ld@...> wrote:
> That would bring me to my question. When would they
> need it? Why is it
> done? I have an old TS530 that stopped working a
> year or so ago and just

> have not had the time to tinker with it. I have four
> or five new 6146 and a
> couple of new 12BY7 and I am curious about what I
> have to do with them when
> I do get to tinker with the rig.
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Bill K0ZL <coorsbill@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 3/17/2004 7:52:19 PM
> > Subject: Re: [TS-520_820_530_830] 820 finals
> >
> > I don't neutralize drivers. There is no adjustment
> for
> > that. If a tube doesn't work in one rig, I shelve
> it
> > and use another.
> >
> > You only neutralize finals (6146) if they need it.
> >
> > bill
> >
> > --- pchapman9202003 <p_chap@...> wrote:
> > > I read back through all post on installing new
> > > finals, still a bit
> > > confused.
> > >
> > > neutrilize if you only replace the 12by7? That
> is
> > > what I want to
> > > attack first.
> > >
> > > If not the most straight stuff for replacing in
> an
> > > 820. Not
> > > interested in the qro mods
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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1451. Re: [TS-520_820_530_830] neautralize and 6146 replacement?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 13:58:12 UTC
From: Bill K0ZL
Topic: 1444 Message: 1451

In Tune mode, max the ALC reading using the
preselector or drive tune control. Keep on scale with
CAR.

unkey and let the tubes cool a bit.

Key again, and watch the ALC indication. If it starts
to drop off rapidly after keying up, the driver tube
is failing.

If not, it's ok.

You may just need an alignement.

Key to this is, at the lower power output, are you
still getting good ALC action with normal mic gains?

On the higher bands, a fresh set of finals will often
fix you right up. At today's prices however, it would
pay to wait until output drops to 75 watts. 110 to 95
is unnoticeable on the other end.

bill

--- pchapman9202003 <p_chap@...> wrote:
> Not looking for a shortcut that creates a problem,
> but my 820 finals
> are starting to show about 95 watts out instead of
> the 110 to 115
> that they used to, so 2 questions
>
> 1. Should I replace the driver, 12by7, and does it
> require any thing
> other than just replacement?
>
> 2. Is there a more simple way to neutralize if I do
> go the final
> route than what I have read elsewhere?
>
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"If in doubt, MODIFY" --k0zl

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1452. Re: [TS-520_820_530_830] 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 14:10:49 UTC
From: Bill K0ZL
Topic: 1441 Message: 1452

Applies to all rigs in this series.

That's why I created one group for all four...
electrically they share a lot of stuff.

b

--- Gary Commer <af4ld@...> wrote:
> Ooooooooopps That's a TS 520 not 530.
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Gary Commer <af4ld@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 3/17/2004 9:20:44 PM
> > Subject: Re: [TS-520_820_530_830] 820 finals
> >
> > That would bring me to my question. When would
> they need it? Why is it
> > done? I have an old TS530 that stopped working a
> year or so ago and just
> > have not had the time to tinker with it. I have
> four or five new 6146 and
> a
> > couple of new 12BY7 and I am curious about what I
> have to do with them
> when
> > I do get to tinker with the rig.
> >
> > 73 dit dit
> > de Gary AF4LD
> >
> >
> > > [Original Message]
> > > From: Bill K0ZL <coorsbill@...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Date: 3/17/2004 7:52:19 PM
> > > Subject: Re: [TS-520_820_530_830] 820 finals
> > >
> > > I don't neutralize drivers. There is no
> adjustment for
> > > that. If a tube doesn't work in one rig, I
> shelve it

> > > and use another.
> > >
> > > You only neutralize finals (6146) if they need
> it.
> > >
> > > bill
> > >
> > > --- pchapman9202003 <p_chap@...>
> wrote:
> > > > I read back through all post on installing new
> > > > finals, still a bit
> > > > confused.
> > > >
> > > > neutrilize if you only replace the 12by7? That
> is
> > > > what I want to
> > > > attack first.
> > > >
> > > > If not the most straight stuff for replacing
> in an
> > > > 820. Not
> > > > interested in the qro mods
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1453. Re: [TS-520_820_530_830] TS-820S digital display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-18 14:38:46 UTC
From: Bill K0ZL
Topic: 1440 Message: 1453

Congratulations, Ian.

Bill

--- Ian Tough <ian.tough1@...> wrote:
> When I bought my TS-820S, the frequency display was
> completely dead. I followed the Kenwood Service
> Bulletin on this problem (remove the counter unit,
> disassemble, clean pins and earth points,
> reassemble) and it worked great. I am completely
> non-technical regards radio, so was absolutely
> amazed when it worked!
>
> Ian (G0IHK).
> ----- Original Message -----
> From: rwagner617@...
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, March 18, 2004 1:00 AM
> Subject: Re: [TS-520_820_530_830] TS-820S digital
> display problem
>
>
> Sounds like a loose ground connection somewhere.
> My vfo had alot of
> problems, jumped around alot, drifted, had missing
> numbers and it turned out to be
> dirty connectors and poor grounds. If you seach
> the Web for info on the TS-820
> you will find alot of info on fixing VFO problems.
>
> Good Luck,
>
> Bob WA6OJJ
>
>
> [Non-text portions of this message have been
> removed]
>
>
>
>

> Yahoo! Groups Links
>
> a.. To visit your group on the web, go to:

>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
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>
>
> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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1454. Re: 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-19 02:31:59 UTC
From: pchapman9202003
Topic: 1441 Message: 1454

Thanks Bill always better safe than sorry. Situation is not really bad, showing 95-100 watts out on the 949E tuner with swr of about 1.3 or better tuned out on a G5RV, but have no idea how long the driver has been in this rig. I had such good luck after finding a perfect replacement for the TR relay, might as well keep going. Yes they are still out there, and brand new for under ten bucks. I bought a couple

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> I don't neutralize drivers. There is no adjustment for
> that. If a tube doesn't work in one rig, I shelve it
> and use another.
>
> You only neutralize finals (6146) if they need it.
>
> bill
>
> --- pchapman9202003 <p_chap@b...> wrote:
> > I read back through all post on installing new
> > finals, still a bit
> > confused.
> >
> > neutrilize if you only replace the 12by7? That is
> > what I want to
> > attack first.
> >
> > If not the most straight stuff for replacing in an
> > 820. Not
> > interested in the qro mods
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
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1455. Re: [TS-520_820_530_830] Re: 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-19 03:46:22 UTC
From: rwagner617@aol.com
Topic: 1441 Message: 1455

WHERE CAN YOU GET THOSE TR RELAYS FOR THE TS 820 I WOULD LIKE TO GET ONE
ALSO.

THANKS,

BOB WA6OJJ

[Non-text portions of this message have been removed]

1456. Re: [TS-520_820_530_830] Re: 820 finals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-19 14:47:21 UTC
From: Bill K0ZL
Topic: 1441 Message: 1456

An incompatible 12BY7 will show instability as the
driver or preselect tuning is rotated through
resonance... the plate current will show to be erratic
on the finals with a 'bad' 12BY7... if you ever see
that, swap the tube out but don't throw the old one.
It may work just fine in another rig!

Best 12BY7's are used, with the 'EDGE' worn off them;
or the matched pairs used in the old Tek scopes; scads
of those around, they make great radio tubes. They
were selected for matched characteristics for the
scopes rather than gain.

b

--- pchapman9202003 <p_chap@...> wrote:
> Thanks Bill always better safe than sorry. Situation
> is not really
> bad, showing 95-100 watts out on the 949E tuner with
> swr of about
> 1.3 or better tuned out on a G5RV, but have no idea
> how long the
> driver has been in this rig. I had such good luck
> after finding a
> perfect replacement for the TR relay, might as well
> keep going. Yes
> they are still out there, and brand new for under
> ten bucks. I
> bought a couple
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > I don't neutralize drivers. There is no adjustment
> for
> > that. If a tube doesn't work in one rig, I shelve
> it
> > and use another.
> >
> > You only neutralize finals (6146) if they need it.
> >
> > bill
> >
> > --- pchapman9202003 <p_chap@b...> wrote:
> > > I read back through all post on installing new
> > > finals, still a bit

> > > confused.
> > >
> > > neutrilize if you only replace the 12by7? That
> is
> > > what I want to
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> > > If not the most straight stuff for replacing in
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> > > 820. Not
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"If in doubt, MODIFY" --k0zl

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1457. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-20 03:01:30 UTC
From: DW
Topic: 1418 Message: 1457

Everyone,

Thank You all for your selfless help. It is truly
appreciated.

--- Bob M <baysideq@...> wrote:
> Is this of any help.

Bob,

Perfect. This is exactly what I was looking for.
This one gets printed & put with my other HF reference
files. Thank you.

>
>
+==========================+================================+
>
>
> DO TUBE-TYPE TRANSCEIVERS STILL HAVE A PLACE IN HAM
> RADIO?
> By Robert Bacharach WA2EMF 9/27/2001
>
> PROBLEM:
>
> Many newly-minted amateurs whether young or old want
> to operate on
> HF with effective equipment, but in today's
> difficult economic
> times are unable to afford the newer equipment that
> is available.
>
> SOLUTION:
>
> Available on the USED-GEAR MARKET are many
> transceivers that have
> established VERY FINE PERFORMANCE RECORDS.
> These include, but are not limited to: Kenwood
> TS-520S/SE, TS-
> 530S, TS-820S, TS-830S; YAESU FT101/E/X, FT-901,
> FT902.
>
> FEATURES OF THESE RIGS INCLUDE:
>
> - Built-in AC Supplies / Some also come with DC
> Standard

> - All Solid-State Except for Driver and Final
> Amplifier
> Stages
> - Excellent Receiver Sensitivity: .25microvolt
> S+N/N 10 db or
> better
> - Good to Excellent Selectivity:
> - Excellent SSB Filters
> - IF Shift
> - Variable Bandpass Tuning
> - Notch Filters
> - 100 Watt Plus Transmitters on 160 thru 10 Meters
> - (some have all WARC bands)
> - CW/USB/LSB Modes (KNWD=EXCELLENT AUDIO)
> - Capable of RTTY and other HF Digital modes
> - TUBE FINALS MORE TOLERANT TO IMPEDANCE MIGRATIONS
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> - Reliable, rugged, long life rigs:
> - Some running 25 years or more without tube changes
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> repairs of any kind: BATTLESHIP CONSTRUCTION
> - LOW PRICE FOR FEATURES: $250 TO $500 USUALLY
> - NOTE: TS820/TS830 WERE KENWOODS TOP-OF-THE-LINE
>
>
> HOW TO GET ONE:
> - BUY ONE LOCALLY FROM HAM YOU KNOW (TRY IT OUT)
> - TAKE ELMER TO FLEE MARKET TO HELP EXAMINE RIG
> - INTERNET AUCTIONS: RISKY BUT CAN GET GOOD GEAR
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>
> NOW?. How do you tune up your new tube-type rig?
> See Below!
> TUNE-UP PROCEDURE FOR TUBE-FINAL RIG: TS-520S
>
> 1. ATTACH 50 OHM DUMMY LOAD OR 50 OHM ANTENNA (LESS
> THAN 2:1
> SWR) BEFORE MAKING ADJUSTMENTS
>
> 2. SET TRANSCEIVER FREQUENCY BAND AND BAND SEGMENT
> - IF ANTENNA USED: TUNE TO CLEAR FREQUENCY
>
> 3. CHECK PLATE IDLING CURRENT: BIAS ADJUST
> - MODE SWITCH TO USB
> - METER SWITCH TO IP (CURRENT)
> - STANDBY SWITCH TO SEND
> - CHECK IDLING CURRENT OF 60 ma
> - IF NOT 60 ma ADJUST BIAS CONTROL (SIDE PANEL)
> - IF CURRENT >60 ma DO NOT REMAIN IN "SEND" POSITION

> FOR MORE
> THAN A FEW SECONDS. EXCESSIVE PLATE CURRENT SHORTENS
> LIFE OF FINAL
> AMPLIFIER TUBES
> - RETURN STANDBY SWITCH TO REC
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> 4. DRIVE TUNING
> - CAR CONTROL COUNTER CLOCKWISE
> - METER SWITCH TO ALC
> - MODE SWITCH TO TUNE
> - STANDBY SWITCH TO SEND
> - PEAK ALC READING (MAX DEFLECTION) USING DRIVE
> CONTROL
> - IF NO ALC READING: INCREASE CAR CONTROL UNTIL
> PRESENT
> - RETURN STANDBY SWITCH TO REC
>
> 5. PLATE TUNING
> - METER SWITCH TO IP
> - MODE SWITCH TO TUNE
> - TUNE POSITION PERMITS TUNING OF FINAL TANK CIRCUIT
> AT
> REDUCED POWER WITHOUT DANGER TO TUBES
> - STANDBY SWITCH TO SEND
> - QUICKLY ADJUST PLATE CONTROL FOR DIP (MINIMUM
> CURRENT)
> - RETURN STANDBY SWITCH TO REC
> - F I N A L T U N E ? U P PROCEDURE FOR HIGH
> POWER:
> - MODE SWITCH TO CW
> - METER SWITCH TO RF
> - STANDBY SWITCH TO SEND
> - ALTERNATE FOLLOWING ADJUSTMENTS:
> - LOAD CONTROL: PEAK (MAXIMUM DEFLECTION)
> - PLATE CONTROL: PEAK (MAXIMUM DEFLECTION)
> - RETURN STANDBY SWITCH TO REC
> - CHECK PLATE CURRENT (IP) BETWEEN 200 AND 250 ma
> -
> 6. RIG IS NOW PROPERLY TUNED: SET MODE AS DESIRED
> AND GO!
>
>
>
++
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > OK Jim... I will look in the FILES section. I was

> > pretty sure someone had already done this.
> >
> > Actually the owners' manuals are usually not too
> far
> > off the mark...
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> >
>
>
>
>
> Yahoo! Groups Links
>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
>
>

=====
DW White

KE6WYB, Shasta County, CA, CN80vq

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

Do you Yahoo!?
Yahoo! Mail - More reliable, more storage, less spam
http://mail.yahoo.com

1458. Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-20 03:14:01 UTC
From: wohtex
Topic: 1458 Message: 1458

Hello to the group. My name is Bill, call is N5CCQ and I am new to HF. Got licensed about 25 years ago but stayed on 2 meter, then was out of the hobby for many years. Bought a TS-520 off of e-bay at a price I figured at least it would be a parts rig, boy was I surprised. Just plugged it in for a smoke test and I cant discribe how pleased I am with the receive audio. The only other HF rig I have listen to is my Yaesu FT-77 and this old Kenwood has it beat hands down. Its hooked to a 135 ft dipole up about 30ft. will not try transmit untill I have the chance to read the manual but from reading the messages here I thought I read something about needing a jumper wire in the vfo plug on back?? is that right? Figure I will learn on this one as it will not win any beauty contest then start looking for a TS-830. Sorry to get long winded but had to tell someone how great this rig sounds, but of course you guys already know that.....

73 got to get back to checking out this TS-520
Bill N5CCQ

1459. Re: Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-21 14:33:20 UTC
From: Jim
Topic: 1458 Message: 1459

Welcome to the group Bill. These rigs were designed to work either as stand-alone rigs, with an external VFO, or with a matching receiver. The reason you would want two VFO's is the ability to work split frequency QSO's. The interface to the external VFO or receiver was accomplished with a cable that inserted into a nine-pin mini-tube socket on the back of the rig. If you do not have the external VFO, then there is a dummy plug that gets inserted into the socket instead.

The dummy plug is round, black, and about 3/8" inch thick. Just look at your manual and find the location of the VFO socket, if the socket is empty you need to get a VFO plug. If there is something in there, you are probably good to go. Dummy plugs are still available from Kenwood Parts if you need one (about $5 as I recall), but they are a bear to solder. I have also seen creative homebrew solutions that work just as well. My first 820S came with just a piece of wire wrapped over a piece of cardboard and it worked the whole time I had the rig.

73 and good luck,
Jim K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "wohtex" <wh1944@a...>
wrote:
> Hello to the group. My name is Bill, call is N5CCQ and I am new to
HF.
> Got licensed about 25 years ago but stayed on 2 meter, then was
out of
> the hobby for many years. Bought a TS-520 off of e-bay at a price
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> figured at least it would be a parts rig, boy was I surprised.
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> plugged it in for a smoke test and I cant discribe how pleased I am
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> Yaesu FT-77 and this old Kenwood has it beat hands down. Its
hooked
> to a 135 ft dipole up about 30ft. will not try transmit untill I
have
> the chance to read the manual but from reading the messages here I
> thought I read something about needing a jumper wire in the vfo
plug
> on back?? is that right? Figure I will learn on this one as it will
> not win any beauty contest then start looking for a TS-830. Sorry
to
> get long winded but had to tell someone how great this rig sounds,

but
> of course you guys already know that.......
>
> 73 got to get back to checking out this TS-520
> Bill N5CCQ

1461. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-21 23:28:13 UTC
From: DW
Topic: 1418 Message: 1461

Bill, Bob;

You are gentlemen & scholars. Thank You both again.

WYB
--- Bill K0ZL <coorsbill@...> wrote:
> I have converted this to .PDF and it will be in the
> group FILES section under OPERATOR AIDS.
>
> 73,
>
> Bill K0ZL
>
> --- Bob M <baysideq@...> wrote:
> > Is this of any help.
> >
> >
>
+==========================+==================================+
> >
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> > DO TUBE-TYPE TRANSCEIVERS STILL HAVE A PLACE IN
> HAM
> > RADIO?
> > By Robert Bacharach WA2EMF 9/27/2001
> >
> > PROBLEM:
> >
> > Many newly-minted amateurs whether young or old
> want
> > to operate on
> > HF with effective equipment, but in today's
> > difficult economic
> > times are unable to afford the newer equipment
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> > is available.
> >
> > SOLUTION:
> >
> > Available on the USED-GEAR MARKET are many
> > transceivers that have
> > established VERY FINE PERFORMANCE RECORDS.
> > These include, but are not limited to: Kenwood
> > TS-520S/SE, TS-
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> > - Excellent Receiver Sensitivity: .25microvolt
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> > - LOW PRICE FOR FEATURES: $250 TO $500 USUALLY
> > - NOTE: TS820/TS830 WERE KENWOODS TOP-OF-THE-LINE
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> >
> > HOW TO GET ONE:
> > - BUY ONE LOCALLY FROM HAM YOU KNOW (TRY IT OUT)
> > - TAKE ELMER TO FLEE MARKET TO HELP EXAMINE RIG
> > - INTERNET AUCTIONS: RISKY BUT CAN GET GOOD GEAR
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> > NOW?. How do you tune up your new tube-type
> rig?
> > See Below!
> > TUNE-UP PROCEDURE FOR TUBE-FINAL RIG: TS-520S
> >
> > 1. ATTACH 50 OHM DUMMY LOAD OR 50 OHM ANTENNA
> (LESS
> > THAN 2:1
> > SWR) BEFORE MAKING ADJUSTMENTS

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> > 2. SET TRANSCEIVER FREQUENCY BAND AND BAND SEGMENT
> > - IF ANTENNA USED: TUNE TO CLEAR FREQUENCY
> >
> > 3. CHECK PLATE IDLING CURRENT: BIAS ADJUST
> > - MODE SWITCH TO USB
> > - METER SWITCH TO IP (CURRENT)
> > - STANDBY SWITCH TO SEND
> > - CHECK IDLING CURRENT OF 60 ma
> > - IF NOT 60 ma ADJUST BIAS CONTROL (SIDE PANEL)
> > - IF CURRENT >60 ma DO NOT REMAIN IN "SEND"
> POSITION
> > FOR MORE
> > THAN A FEW SECONDS. EXCESSIVE PLATE CURRENT
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> > AMPLIFIER TUBES
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> > - CAR CONTROL COUNTER CLOCKWISE
> > - METER SWITCH TO ALC
> > - MODE SWITCH TO TUNE
> > - STANDBY SWITCH TO SEND
> > - PEAK ALC READING (MAX DEFLECTION) USING DRIVE
> > CONTROL
> > - IF NO ALC READING: INCREASE CAR CONTROL UNTIL
> > PRESENT
> > - RETURN STANDBY SWITCH TO REC
> >
> > 5. PLATE TUNING
> > - METER SWITCH TO IP
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> > - ALTERNATE FOLLOWING ADJUSTMENTS:
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> > - PLATE CONTROL: PEAK (MAXIMUM DEFLECTION)
> > - RETURN STANDBY SWITCH TO REC

> > - CHECK PLATE CURRENT (IP) BETWEEN 200 AND 250 ma
> > -
> > 6. RIG IS NOW PROPERLY TUNED: SET MODE AS DESIRED
> > AND GO!
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> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
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> > <coorsbill@y...> wrote:
> > > OK Jim... I will look in the FILES section. I
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
>
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> _____________________________________
> Do you Yahoo!?
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>
> Yahoo! Groups Links
>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> TS-520_820_530_830-unsubscribe@yahoogroups.com

>
>
>

=====
DW White

KE6WYB, Shasta County, CA, CN80vq

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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http://taxes.yahoo.com/filing.html

1462. Re: Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-22 06:33:39 UTC
From: wohtex
Topic: 1458 Message: 1462

thanks for the info. I dont have the external vfo, have seen them for sale at various prices. I am in my work week now and wont get a chance to check it out more until thusday, I know there are two sockets in the back and one has the plug in it but will check and make sure that is the external vfo socket. down loaded a manual for a TS-520S is there any difference in that and the TS-520 when it comes to tune up instructions?

thanks
Bill

1463. Re: Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-22 12:49:03 UTC
From: Jim
Topic: 1458 Message: 1463

Bill,

The tune-up procedure is quite similar on all the rigs in this series. I am not sure about the 520's, but I think the only difference between the 820S and 820 is that the "S" had a digital frequency display in addition to the analog dial.

As for the plug, I suspect you have what you need as I am not aware of any other socket that would take a plug. Good luck with it.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "wohtex" <wh1944@a...> wrote:
> thanks for the info. I dont have the external vfo, have seen them for
> sale at various prices. I am in my work week now and wont get a chance
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> is the external vfo socket. down loaded a manual for a TS-520S is
> there any difference in that and the TS-520 when it comes to tune up
> instructions?
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> thanks
> Bill

1464. Re: [TS-520_820_530_830] Re: Tune Up Methods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-22 14:15:59 UTC
From: Bill K0ZL
Topic: 1418 Message: 1464

Who, US?

--- DW <andersonradioactivity@...> wrote:
> Bill, Bob;
>
> You are gentlemen & scholars. Thank You both again.
>
> WYB
> --- Bill K0ZL <coorsbill@...> wrote:
> > I have converted this to .PDF and it will be in
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> > 73,
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> > Bill K0ZL
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
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> >
> >

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> > _____
> > Do you Yahoo!?
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> > http://mail.yahoo.com
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=== message truncated ===

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1466. Re: [TS-520_820_530_830] Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-23 04:04:23 UTC
From: Bill K0ZL
Topic: 1458 Message: 1466

newer is not necessarily better.

You should give a listen to a TS-850 however, when you get a chance. Using an external speaker, the 850 sounds as good as the older rigs. Doesn't have that "synth" sound whether sitting still on a signal or tuning around.

73,

Bill

--- wohtex <wh1944@...> wrote:
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> and I am new to HF.
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http://taxes.yahoo.com/filing.html

1467. Re: [TS-520_820_530_830] Re: Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-23 11:41:24 UTC
From: Paul Manuel
Topic: 1458 Message: 1467

--- Jim <K1ZC@...> wrote:
> As for the plug, I suspect you have what you need as I am not aware
> of any other socket that would take a plug.

And there is no receive without the plug, unless you have the external
VFO.
73,
Paul K4PDM

_____
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1468. Re: Just received my first TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-23 18:10:28 UTC
From: robjaw1
Topic: 1458 Message: 1468

I have a 430s and an 820s...
The 430 has some nice features, but I always end up
turning the 820 on when I get to the shack. Told someone
else the other night the same thing actually, I just like the
sound of that 820 better...

73
Rob
KB3JZG

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> newer is not necessarily better.
>
> You should give a listen to a TS-850 however, when you
> get a chance. Using an external speaker, the 850
> sounds as good as the older rigs. Doesn't have that
> "synth" sound whether sitting still on a signal or
> tuning around.
>
> 73,
>
> Bill
>
> --- wohtex <wh1944@a...> wrote:
> > Hello to the group. My name is Bill, call is N5CCQ
> > and I am new to HF.
> > Got licensed about 25 years ago but stayed on 2
> > meter, then was out of
> > the hobby for many years. Bought a TS-520 off of
> > e-bay at a price I
> > figured at least it would be a parts rig, boy was I
> > surprised. Just
> > plugged it in for a smoke test and I cant discribe
> > how pleased I am
> > with the receive audio. The only other HF rig I
> > have listen to is my
> > Yaesu FT-77 and this old Kenwood has it beat hands
> > down. Its hooked
> > to a 135 ft dipole up about 30ft. will not try
> > transmit untill I have
> > the chance to read the manual but from reading the
> > messages here I
> > thought I read something about needing a jumper wire
> > in the vfo plug

> > on back?? is that right? Figure I will learn on this
> > one as it will
> > not win any beauty contest then start looking for a
> > TS-830. Sorry to
> > get long winded but had to tell someone how great
> > this rig sounds, but
> > of course you guys already know that.......
> >
> > 73 got to get back to checking out this TS-520
> > Bill N5CCQ
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
>
>
> _____
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1470. Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 02:22:57 UTC
From: kf0hr
Topic: 1470 Message: 1470

Hi all, I have an TS-530S after a few years of no use.
Cleaned and tuned up the rig. All seemes to work fine but for one thing. Stations report that I am always a little off frequency. Not much but enough for the other station make a comment about it.

Any help on what can be done to as to say zero beat the receiver with the transmiter so they will be on the same frequency?
I looked in the manual and found no help.

So thought I would give this a try on here.

Thanks,
Terry KFØHR in North Dakota

1471. RE:[TS-520_820_530_830] Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 07:44:19 UTC
From: nhead1@cwctv.net
Topic: 1470 Message: 1471

Hi do not know if there is a permanent fix but i have the same trouble mine being 2kcs off. So i use the rit control to recieve so when i transmit i am on the other stations frequency hope that helps until you find a permanent answer . When you do please let me know. All the best from Nigel M0dbo

NIGEL HEAD

On Wed, 24 Mar 2004 02:22:57 -0000 "kf0hr" <twhermanson@...> wrote:

[Non-text portions of this message have been removed]

1472. Re: [TS-520_820_530_830] Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 14:47:44 UTC
From: Bill K0ZL
Topic: 1470 Message: 1472

I can't remember convergence as being a normal
alignment issue, as it is on the Yaesu 101 series...

I suppose your RIT is truly OFF... that is, when the
RIT is turned off, the rit control has no effect.

bill

--- kf0hr <twhermanson@...> wrote:
> Hi all, I have an TS-530S after a few years of no
> use.
> Cleaned and tuned up the rig. All seemes to work
> fine but for one
> thing. Stations report that I am always a little off
> frequency. Not
> much but enough for the other station make a comment
> about it.
>
> Any help on what can be done to as to say zero beat
> the receiver
> with the transmiter so they will be on the same
> frequency?
> I looked in the manual and found no help.
>
> So thought I would give this a try on here.
>
> Thanks,
> Terry KF?HR in North Dakota
>
>

=====

"If in doubt, MODIFY" --k0zl

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1473. Re: [TS-520_820_530_830] Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 22:17:16 UTC
From: Teran W. Hermanson
Topic: 1470 Message: 1473

Hi Bill,

Checked the RIT just to be sure. It shuts off.
I am thinking that a cap or resister may have
changed and is pulling the receive or transmit?
By using the RIT all the time gets around it.
Just thought I would ask around to get the easy
fix for my trusty old TS-530S.

Thanks Teran KF?HR

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, March 24, 2004 8:47 AM
Subject: Re: [TS-520_820_530_830] Kenwood TS-530S

> I can't remember convergence as being a normal
> alignment issue, as it is on the Yaesu 101 series...
>
> I suppose your RIT is truly OFF... that is, when the
> RIT is turned off, the rit control has no effect.
>
> bill
>
> --- kf0hr <twhermanson@...> wrote:
> > Hi all, I have an TS-530S after a few years of no
> > use.
> > Cleaned and tuned up the rig. All seemes to work
> > fine but for one
> > thing. Stations report that I am always a little off
> > frequency. Not
> > much but enough for the other station make a comment
> > about it.
> >
> > Any help on what can be done to as to say zero beat
> > the receiver
> > with the transmiter so they will be on the same
> > frequency?
> > I looked in the manual and found no help.
> >
> > So thought I would give this a try on here.
> >
> > Thanks,
> > Terry KF?HR in North Dakota
> >

> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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1474. Re: [TS-520_820_530_830] Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 22:27:09 UTC
From: Jack Twilley
Topic: 1470 Message: 1474

>>>>> "Nigel" == nhead1 <nhead1@...> writes:

Nigel> Hi do not know if there is a permanent fix but i have the same
Nigel> trouble mine being 2kcs off.

Fascinating. My TS-520 has a similar situation -- the dial reads 2kHz
lower than it should, based on today's "noontime net".

Nigel> So i use the rit control to recieve so when i transmit i am on
Nigel> the other stations frequency hope that helps until you find a
Nigel> permanent answer . When you do please let me know. All the best
Nigel> from Nigel

I'm not sure on my rig whether this happens evenly across all bands or
if it increases or decreases when I move up or down inside bands or on
other bands, as I only have the single data point. I've almost
assembled the necessary tools to properly maintain the rig and that's
one of the bugs I hope to work out.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1475. FS TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-24 17:52:53 UTC
From: Richard Detweiler
Topic: 1475 Message: 1475

Have a good working TS-830S.

Please reply direct

Works great, GE 6146B finals, 150W out, 140W on 10M.

Wiill include the manual and tech docs on CD.

This was my main rig till last summer, When I got a new radio.

High serial number, Most of the mods for stability and such appear
to be done by the factory.

Before me the radio had been used by an off bander, All those pll
mods were pulled and the functions returned to factory specs. I was
the one to cut the wire to enable the WARC Bands.

Face is good, Case in good condition, but some rusting of the
screws near the speaker and was dented once but straightend out.

Pictures available.

$350 USPS Money Order, Shipped CONUS.

Thanks
Rich
K5SF

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https://broadband.msn.com/?pgmarket=en-us/go/onm00200360ave/direct/01/

1476. Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-26 13:37:21 UTC
From: Jack Twilley
Topic: 1476 Message: 1476

I disassembled my station to treat it with contact cleaner when I received a bit of a shock. Turns out that my DC power supply, even turned off, is at 120VAC potential with respect to the "real" ground (heavy wire connected to cold water pipe just after it exits the ground). I checked the outlet and here's what I measured:

Hot-White 110V
Hot-Green 55V
Hot-Real 115V
White-Green 55V
White-Real 0V, continuity
Green-Real 55V

Where "real" is the aforementioned real ground, and hot, white and green are the short, tall and ground sockets of the outlet.

This seems wrong, but I'm no professional when it comes to residential power, so I don't really know what to expect. The house has a lot of the original two-wire wiring from the 1940s and the occasional section of three-wire wiring like this patch.

When I reconnected my receiver, I noticed heavy 60Hz buzz. I don't know if it's from the contact cleaner somehow or what, and I don't remember whether I heard it before I disassembled the radio for cleaning.

What's the proper next step to take? I'm unemployed and I don't want to provoke my landlady into raising the rent, so I don't want to involve any professional electricians unless it's absolutely necessary, but if this is a health-and-safety issue, I'll get right on it, damn the expense.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1477. Re: [TS-520_820_530_830] Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-26 14:06:43 UTC
From: rfay@charter.net
Topic: 1476 Message: 1477

Jack, I am not an electrician but if I understand what you are describing correctly there is someting wrong. At an a/c outlet you should be able to measure 110v from ground to hot, 0v from neutral to ground and 110v from hot to neutral. It almost sounds like your ground and neutral lines are floating and not connected to ground. If you are not knowlegable with troubleshooting this type of problem then I would contact an electrican as these are lethal voltages.
Bob
>
> From: Jack Twilley <jmt@...>
> Date: 2004/03/26 Fri PM 01:37:21 GMT
> To: Kenwood TS-520_820_530_830 List <TS-520_820_530_830@yahoogroups.com>
> Subject: [TS-520_820_530_830] Power discoveries and 60Hz buzz
>
>

[Non-text portions of this message have been removed]

1478. VFO Fix?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-25 01:19:15 UTC
From: John M. Trindle
Topic: 1478 Message: 1478

Hello, folks, I'm new to your list.

My TS-520S has developed a flaky internal VFO. When I dial any frequency above about 200KHz into any given band, the tuning jumps around radically. I can eventually tweak it on-frequency but it's really a pain.

Is there any easy repair, cleaning or reseating connectors, that I can attempt on my own before CQ WPX this weekend?

Thanks for any help!

73

--
John M. Trindle KG4RZH FM17pg
"2nd Law of Errordynamics: Errors flow from bug-ridden to bug-free areas. Disorder of the system as a whole tends toward a maximum. This means that at some point your car or program will become unfixable and have to be either rebuilt from the ground up or abandoned. - JMT"

1479. Re: [TS-520_820_530_830] Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-26 20:48:34 UTC
From: Bill K0ZL
Topic: 1476 Message: 1479

Jack, take a look in your breaker box, you may just
have some loose neutral (white) and ground (bare)
wires on the busses with all the screws. Tighten them
up.

b

--- Jack Twilley <jmt@...> wrote:
> I disassembled my station to treat it with contact
> cleaner when I
> received a bit of a shock. Turns out that my DC
> power supply, even
> turned off, is at 120VAC potential with respect to
> the "real" ground
> (heavy wire connected to cold water pipe just after
> it exits the
> ground). I checked the outlet and here's what I
> measured:
>
> Hot-White 110V
> Hot-Green 55V
> Hot-Real 115V
> White-Green 55V
> White-Real 0V, continuity
> Green-Real 55V
>
> Where "real" is the aforementioned real ground, and
> hot, white and
> green are the short, tall and ground sockets of the
> outlet.
>
> This seems wrong, but I'm no professional when it
> comes to residential
> power, so I don't really know what to expect. The
> house has a lot of
> the original two-wire wiring from the 1940s and the
> occasional section
> of three-wire wiring like this patch.
>
> When I reconnected my receiver, I noticed heavy 60Hz
> buzz. I don't
> know if it's from the contact cleaner somehow or
> what, and I don't
> remember whether I heard it before I disassembled
> the radio for

> cleaning.
>
> What's the proper next step to take? I'm unemployed
> and I don't want
> to provoke my landlady into raising the rent, so I
> don't want to
> involve any professional electricians unless it's
> absolutely
> necessary, but if this is a health-and-safety issue,
> I'll get right on
> it, damn the expense.
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1480. Re: [TS-520_820_530_830] Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-26 20:50:49 UTC
From: Jack Twilley
Topic: 1476 Message: 1480

>>>>> "Bill" == coorsbill <Bill> writes:

Bill> Jack, take a look in your breaker box, you may just have some
Bill> loose neutral (white) and ground (bare) wires on the busses with
Bill> all the screws. Tighten them up.

We don't have breakers here, just four 30A fuses. The box is in the
wall instead of on the wall like other places I've lived, so it's not
really accessible in that way.

Bill> b

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1481. Re: [TS-520_820_530_830] Kenwood TS-530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-26 21:09:04 UTC
From: Bill K0ZL
Topic: 1470 Message: 1481

Try touching up VR-5 on the IF unit; looks like that
might have something to do with converging RIT and XIT
with the switch off maybe.

--- "Teran W. Hermanson" <twhermanson@...>
wrote:
> Hi Bill,
>
> Checked the RIT just to be sure. It shuts off.
> I am thinking that a cap or resister may have
> changed and is pulling the receive or transmit?
> By using the RIT all the time gets around it.
> Just thought I would ask around to get the easy
> fix for my trusty old TS-530S.
>
> Thanks Teran KF?HR
>
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Wednesday, March 24, 2004 8:47 AM
> Subject: Re: [TS-520_820_530_830] Kenwood TS-530S
>
>
> > I can't remember convergence as being a normal
> > alignment issue, as it is on the Yaesu 101
> series...
> >
> > I suppose your RIT is truly OFF... that is, when
> the
> > RIT is turned off, the rit control has no effect.
> >
> > bill
> >
> > --- kf0hr <twhermanson@...> wrote:
> > > Hi all, I have an TS-530S after a few years of
> no
> > > use.
> > > Cleaned and tuned up the rig. All seemes to work
> > > fine but for one
> > > thing. Stations report that I am always a little
> off
> > > frequency. Not
> > > much but enough for the other station make a

> comment
> > > about it.
> > >
> > > Any help on what can be done to as to say zero
> beat
> > > the receiver
> > > with the transmiter so they will be on the same
> > > frequency?
> > > I looked in the manual and found no help.
> > >
> > > So thought I would give this a try on here.
> > >
> > > Thanks,
> > > Terry KF?HR in North Dakota
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
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[Non-text portions of this message have been removed]

1482. Re: [TS-520_820_530_830] Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 00:24:04 UTC
From: Jack Twilley
Topic: 1476 Message: 1482

>>>>> "Bill" == coorsbill <Bill> writes:

Bill> Jack, take a look in your breaker box, you may just have some
Bill> loose neutral (white) and ground (bare) wires on the busses with
Bill> all the screws. Tighten them up.

You were very very close, though. :-) It turns out that I had my
radio equipment and my computer UPS both plugged into the same outlet
and that outlet had a floating ground. I fixed the ground, and
everything's much better.

I did discover something interesting immediately after correcting this
condition, though, which pertains directly to my HF rig and is thus
on-topic. :-)

I thought I'd try using headphones. When on DC power, I hear a harsh
60Hz buzz over the headphones that I don't notice/hear on speaker.
When on AC power, the buzz goes away. Also, when on DC power, my
TNC's STA light will stay on when I hold down my code key. When on AC
power, it just flickers very briefly as I press down the key.

I also get way more power on AC than on DC, but that's no real
surprise, I'm sure. Any thoughts on the headphones or the light?

Bill> b

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1483. Re: TS-520 digest

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 00:35:56 UTC
From: james27613@att.net
Topic: 1483 Message: 1483

hi jack,

I gave my pro electrician friend a call but he was out tonight,
will check with him saturday on your problem.
(He won't send you a bill!)

Is this the only outlet in your home/apt that has this problem
or are other outlets that give the same readings ?

To help find problems, you can buy for a few dollars an outlet
tester at local home center home depot, lowes, menards etc.
and this only works on three prong outlets. It will tell you
if there is a problem.

If landlady give you hard time, just tell her you got
shocked and knocked on your back and almost got killed !

Or if she is nice to you, perhaps you can split the bill with her.

The building you are in could also have a problem or even at the
main panel for the building or out at the power company connection.

As other group member posted, be careful and don't get hurt.

james

> Subject: Power discoveries and 60Hz buzz
>
> I disassembled my station to treat it with contact cleaner when I
> received a bit of a shock. Turns out that my DC power supply, even
> turned off, is at 120VAC potential with respect to the "real" ground
> (heavy wire connected to cold water pipe just after it exits the
> ground). I checked the outlet and here's what I measured:
>
> Hot-White 110V
> Hot-Green 55V
> Hot-Real 115V
> White-Green 55V
> White-Real 0V, continuity
> Green-Real 55V
>
> Where "real" is the aforementioned real ground, and hot, white and
> green are the short, tall and ground sockets of the outlet.
>
> This seems wrong, but I'm no professional when it comes to residential
> power, so I don't really know what to expect. The house has a lot of
> the original two-wire wiring from the 1940s and the occasional section

> of three-wire wiring like this patch.
>
> When I reconnected my receiver, I noticed heavy 60Hz buzz. I don't
> know if it's from the contact cleaner somehow or what, and I don't
> remember whether I heard it before I disassembled the radio for
> cleaning.
>
> What's the proper next step to take? I'm unemployed and I don't want
> to provoke my landlady into raising the rent, so I don't want to
> involve any professional electricians unless it's absolutely
> necessary, but if this is a health-and-safety issue, I'll get right on
> it, damn the expense.
>
> Jack.
> --

1484. Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 01:06:45 UTC
From: Norm Fusaro
Topic: 734 Message: 1484

Hi group.
I was curious as to what mics folks are using on their TS-830S's. I have a Heil Goldline on it now and seem to get good reports on stateside but on DX the HC-5 element is better. Any info is appreciated.
73,
Norm, W3IZ
www.w3iz.com

[Non-text portions of this message have been removed]

1485. Re: [TS-520_820_530_830] VFO Fix?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 04:26:11 UTC
From: Bill K0ZL
Topic: 1478 Message: 1485

It's not particularly easy, but remove the VFO from
the rig and clean the wiper connection at the back of
the air variable capactor. It's dirty and that is what
is causing the problem. Use a good contact cleaner,
such as Cailube MCL or DEOXIT.

Remember to put the 3 flat washers back on the rear
stud before putting the cover back on.

You can leave the VFO hanging loose, plug it in, turn
on your calibrator and run the VFO from one end to the
other to make sure you have fixed the problem; if the
vfo is dirty, the calibrator will sound dirty as you
"swoop" past the markers.

b

--- "John M. Trindle" <trindle@...> wrote:
> Hello, folks, I'm new to your list.
>
> My TS-520S has developed a flaky internal VFO. When
> I dial any frequency
> above about 200KHz into any given band, the tuning
> jumps around radically.
> I can eventually tweak it on-frequency but it's
> really a pain.
>
> Is there any easy repair, cleaning or reseating
> connectors, that I can
> attempt on my own before CQ WPX this weekend?
>
> Thanks for any help!
>
> 73
>
> --
> John M. Trindle KG4RZH FM17pg
> "2nd Law of Errordynamics: Errors flow from
> bug-ridden to bug-free areas.
> Disorder of the system as a whole tends toward a
> maximum. This means that
> at some point your car or program will become
> unfixable and have to be
> either rebuilt from the ground up or abandoned. -
> JMT"
>

>

=====

"If in doubt, MODIFY" --k0zl

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1486. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 08:07:44 UTC
From: Jon (M1CBH)
Topic: 734 Message: 1486

Hi,

The TS830 that i've got on loan from another ham came with a Yaesu YM-34, I don't particulary like the mike, but it works!!

Jon, M1CBH

----- Original Message -----
From: "Norm Fusaro" <w3iz@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, March 27, 2004 1:06 AM
Subject: [TS-520_820_530_830] Mic

> Hi group.
> I was curious as to what mics folks are using on their TS-830S's. I have a Heil Goldline on it now and seem to get good reports on stateside but on DX the HC-5 element is better. Any info is appreciated.
> 73,
> Norm, W3IZ
> www.w3iz.com
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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1487. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 11:19:42 UTC
From: william stephenson
Topic: 734 Message: 1487

Hi,
using an old shure 444 on my TS530S, picked up for 8 gb pounds,
about 16 dollars US. Works great, bit scruffy but the other end gets nice
audio !

73 de Bill G4KKI
----- Original Message -----
From: "Jon (M1CBH)" <m1cbh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, March 27, 2004 8:07 AM
Subject: Re: [TS-520_820_530_830] Mic

> Hi,
>
> The TS830 that i've got on loan from another ham came with a Yaesu YM-34,
I
> don't particulary like the mike, but it works!!
>
> Jon, M1CBH
>
> ----- Original Message -----
> From: "Norm Fusaro" <w3iz@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, March 27, 2004 1:06 AM
> Subject: [TS-520_820_530_830] Mic
>
>
> > Hi group.
> > I was curious as to what mics folks are using on their TS-830S's. I
have
> a Heil Goldline on it now and seem to get good reports on stateside but on
> DX the HC-5 element is better. Any info is appreciated.
> > 73,
> > Norm, W3IZ
> > www.w3iz.com
> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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1488. Re: [TS-520_820_530_830] Power discoveries and 60Hz buzz

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 15:29:48 UTC
From: Bill K0ZL
Topic: 1476 Message: 1488

I think there may be a ground loop inside the rig that
is allowing some hash from the DC-DC converter to show
up on the audio output on the fones.

I seem to remember the same phenom on my ft-101 when I
was running it in my Caddy hearse back in the 70's...
long time ago!

b

--- Jack Twilley <jmt@...> wrote:
> >>>>> "Bill" == coorsbill <Bill> writes:
>
> Bill> Jack, take a look in your breaker box, you may
> just have some
> Bill> loose neutral (white) and ground (bare) wires
> on the busses with
> Bill> all the screws. Tighten them up.
>
> You were very very close, though. :-) It turns out
> that I had my
> radio equipment and my computer UPS both plugged
> into the same outlet
> and that outlet had a floating ground. I fixed the
> ground, and
> everything's much better.
>
> I did discover something interesting immediately
> after correcting this
> condition, though, which pertains directly to my HF
> rig and is thus
> on-topic. :-)
>
> I thought I'd try using headphones. When on DC
> power, I hear a harsh
> 60Hz buzz over the headphones that I don't
> notice/hear on speaker.
> When on AC power, the buzz goes away. Also, when on
> DC power, my
> TNC's STA light will stay on when I hold down my
> code key. When on AC
> power, it just flickers very briefly as I press down
> the key.
>
> I also get way more power on AC than on DC, but
> that's no real

> surprise, I'm sure. Any thoughts on the headphones
> or the light?
>
> Bill> b
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1489. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-27 15:50:01 UTC
From: Bill K0ZL
Topic: 734 Message: 1489

The 444 is the cheapest looking piece of plastic I
have ever seen in a ham shack but they "shure" do work
well! hi... I have one here for the Swan.
b

--- william stephenson <g4kki.bill@...>
wrote:
> Hi,
> using an old shure 444 on my TS530S, picked
> up for 8 gb pounds,
> about 16 dollars US. Works great, bit scruffy but
> the other end gets nice
> audio !
>
> 73 de Bill G4KKI
> ----- Original Message -----
> From: "Jon (M1CBH)" <m1cbh@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, March 27, 2004 8:07 AM
> Subject: Re: [TS-520_820_530_830] Mic
>
>
> > Hi,
> >
> > The TS830 that i've got on loan from another ham
> came with a Yaesu YM-34,
> I
> > don't particulary like the mike, but it works!!
> >
> > Jon, M1CBH
> >
> > ----- Original Message -----
> > From: "Norm Fusaro" <w3iz@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Saturday, March 27, 2004 1:06 AM
> > Subject: [TS-520_820_530_830] Mic
> >
> >
> > > Hi group.
> > > I was curious as to what mics folks are using on
> their TS-830S's. I
> have
> > a Heil Goldline on it now and seem to get good
> reports on stateside but on
> > DX the HC-5 element is better. Any info is

> appreciated.
> > > 73,
> > > Norm, W3IZ
> > > www.w3iz.com
> > >
> > > [Non-text portions of this message have been
> removed]
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> > > Yahoo! Groups Links
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"If in doubt, MODIFY" --k0zl

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http://taxes.yahoo.com/filing.html

1490. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-29 03:25:18 UTC
From: Norm Fusaro
Topic: 734 Message: 1490

TNX for all of the input. Seems a lot of ops like the Shure 444. That used to be a good one back in the day on the FT-101 series as well. I have to agree with the one fellow that called it the ugliest piece of plastic ever seen.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
> Hi,Norm....On my 830, I was using a Kenwood mic, the 50(not sure of
> letters), I picked up a Shure 444 at a hamfest, tried it and got immediate
> response that it was much better. The 444 has been on ever since.
>
> 73, Bob KA1DFO

1491. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-29 13:53:15 UTC
From: Bill K0ZL
Topic: 734 Message: 1491

Not only ugly but it makes funny squeaking noises when
you push the PTT bar... hi! totally retro.

b

--- Norm Fusaro <w3iz@...> wrote:
> TNX for all of the input. Seems a lot of ops like
> the Shure 444. That used
> to be a good one back in the day on the FT-101
> series as well. I have to
> agree with the one fellow that called it the ugliest
> piece of plastic ever
> seen.
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
> > Hi,Norm....On my 830, I was using a Kenwood mic,
> the 50(not sure of
> > letters), I picked up a Shure 444 at a hamfest,
> tried it and got immediate
> > response that it was much better. The 444 has been
> on ever since.
> >
> > 73, Bob KA1DFO
>
>

=====

"If in doubt, MODIFY" --k0zl

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1492. Ringing Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-29 18:56:57 UTC
From: Jim
Topic: 1492 Message: 1492

Am I correct in thinking that ringing is determined mainly by the shape of the filter? My R-820 has all the optional filters, and some of them REALLY ring, while others are nice and quiet. It seems to be more pronounced on the CW filters (150-500Hz) than on the SSB filter.

Anything the operator can do to reduce the effect?

73,
Jim

1493. Re: [TS-520_820_530_830] Ringing Filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-29 21:50:47 UTC
From: Bill K0ZL
Topic: 1492 Message: 1493

Narrower filters will ring more.

Make sure you hear it on headphones; some speaker/room combos will "ring" regardless of filters. And if you were a wartime artillery crewman, forget it... hi

Start by reducing your RF gain control. I run mine so the meter hangs around S9. I can still hear the weak ones but I am not pounding my IF to death.

Second, align the coils on either side of the CW filter for the most pleasing note, using a weak steady signal. As you run past the matching impedance of the filter by turning each coil, you will notice a "swooping" effect.. try to stop turning the coil in the middle of the "swoop". Then try the same exact listening arrangement with the new alignment, see what you think.

b

--- Jim <K1ZC@...> wrote:
> Am I correct in thinking that ringing is determined
> mainly by the
> shape of the filter? My R-820 has all the optional
> filters, and
> some of them REALLY ring, while others are nice and
> quiet. It seems
> to be more pronounced on the CW filters (150-500Hz)
> than on the SSB
> filter.
>
> Anything the operator can do to reduce the effect?
>
> 73,
> Jim
>
>

=====

"If in doubt, MODIFY" --k0zl

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1494. Re: [TS-520_820_530_830] Mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-30 00:54:29 UTC
From: Bob
Topic: 734 Message: 1494

Bill, only until it gets worn in :-) Bob
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, March 29, 2004 8:53 AM
Subject: Re: [TS-520_820_530_830] Mic

> Not only ugly but it makes funny squeaking noises when
> you push the PTT bar... hi! totally retro.
>
> b
>
> --- Norm Fusaro <w3iz@...> wrote:
> > TNX for all of the input. Seems a lot of ops like
> > the Shure 444. That used
> > to be a good one back in the day on the FT-101
> > series as well. I have to
> > agree with the one fellow that called it the ugliest
> > piece of plastic ever
> > seen.
> > 73,
> > Norm, W3IZ
> > www.w3iz.com
> > ----- Original Message -----
> > > Hi,Norm....On my 830, I was using a Kenwood mic,
> > the 50(not sure of
> > > letters), I picked up a Shure 444 at a hamfest,
> > tried it and got immediate
> > > response that it was much better. The 444 has been
> > on ever since.
> > >
> > > 73, Bob KA1DFO
> > >
> > >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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1495. VFO-230 Interconnect Cable (E30-1672--5) Availability

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-30 23:14:10 UTC
From: kzerokav
Topic: 1495 Message: 1495

Anyone know whether Kenwood (or someone) carries this interconnect cable. Just bought a nice VFO-230 to use with my TS-530SP and it was absent the cable. Anyone know the number for Kenwood Parts?

Thanks for any help.

Van,
K0KAV

1496. VFO-230 Interconnect Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-31 18:21:40 UTC
From: kzerokav
Topic: 1496 Message: 1496

Not having an interconnect cable for my TS-530SP/VFO-230 and anxious to hook 'em up; I thought, heck, I'll just run over to Radio Shack and grab a couple of 8 pin Dins and wire up a cable. Yeah, right! They just don't have much for hams anymore, not even male din connectors. I have a few 7 pin dins I used to use for KW gear to key amps and lotsa others but no 8's.

Now I'm wondering, does anyone out there happen to have the VFO-230 interconnect cable you're not using, or in your junk box or something like that. I sure would like to light this thing up.

Tks for any help, ideas, etc.

Van,
K0KAV

1497. Re: VFO-230 Interconnect Cable (E30-1672--5) Availability

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-31 18:25:07 UTC
From: robjaw1
Topic: 1495 Message: 1497

Check on the kenwood parts site
http://www.kenwoodparts.com/
That cable was disco'd, but they gave a second part number
which is not.

--- In TS-520_820_530_830@yahoogroups.com, "kzerokav" <k0kav@a...>
wrote:
> Anyone know whether Kenwood (or someone) carries this interconnect
> cable. Just bought a nice VFO-230 to use with my TS-530SP and it
> was absent the cable. Anyone know the number for Kenwood Parts?
>
> Thanks for any help.
>
> Van,
> K0KAV

1498. Re: [TS-520_820_530_830] Re: VFO-230 Interconnect Cable (E30-1672--5) Availability

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-31 19:16:43 UTC
From: Keith V
Topic: 1495 Message: 1498

robjaw1 wrote:
----- Original Message -----
230 Interconnect Cable (E30-1672--5) Availability

> Check on the kenwood parts site
> http://www.kenwoodparts.com/
> That cable was disco'd, but they gave a second part number
> which is not.
>
>
I did find out how to get ahold of them. That one has been discontinued but they have another part number which they call a "substitute cable." When I found out it was about $40 shipped, I decided to try and throw one together, then couldn't find any 8 pin dins locally so I thought I would try a few other avenues first.

Tks,
Van

1499. Re: vfo 230/240 ---> ts530 cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-31 22:44:08 UTC
From: james27613@att.net
Topic: 1499 Message: 1499

hi,

http://www.packetradio.com/audio%20connectors.htm

Buck has the 8 pin din if you can't find them local.

Cable is straight connect 1-1 8-8 etc.

I built one using old shielded cable from modem

73 jamesa

> Subject: VFO-230 Interconnect Cable (E30-1672--5) Availability
>
> Anyone know whether Kenwood (or someone) carries this interconnect
> cable. Just bought a nice VFO-230 to use with my TS-530SP and it
> was absent the cable. Anyone know the number for Kenwood Parts?
>
> Thanks for any help.
>
> Van,
> K0KAV

1500. Re: [TS-520_820_530_830] Re: vfo 230/240 ---> ts530 cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-03-31 23:20:46 UTC
From: Keith V
Topic: 1499 Message: 1500

Tks, he has some stuff I can definitely use there.

Van,
K0KAV

james27613 wrote:

Subject: [TS-520_820_530_830] Re: vfo 230/240 ---> ts530 cable

> hi,
>
> http://www.packetradio.com/audio%20connectors.htm
>
> Buck has the 8 pin din if you can't find them local.
>
> Cable is straight connect 1-1 8-8 etc.
>
> I built one using old shielded cable from modem
>
> 73 jamesa
>
>
>
> > Subject: VFO-230 Interconnect Cable (E30-1672--5) Availability
> >
> > Anyone know whether Kenwood (or someone) carries this interconnect
> > cable. Just bought a nice VFO-230 to use with my TS-530SP and it
> > was absent the cable. Anyone know the number for Kenwood Parts?
> >
> > Thanks for any help.
> >
> > Van,
> > K0KAV

1504. RE: [TS-520_820_530_830] Re: Uh Oh! Now my 530 doesn't want to load (HELP)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 02:06:43 UTC
From: Brian
Topic: 1504 Message: 1504

You don't happen to accidentally have your key plugged in, do you? ;)

- Brian

-----Original Message-----
From: Keith V [mailto:k0kav@...]
Sent: Wednesday, March 31, 2004 8:42 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: Uh Oh! Now my 530 doesn't want to load (HELP)

I sure hope this doesn't turn out to be the Screen Grid switch. Sounds suspicious to me. I was sure it was "ON", in fact, I flicked it back and forth a few times to make sure it was making good contact. Just now noticed it in the OFF position as I am taking off the bottom cover. Oh well. Will see when I put it back together.

Any other ideas welcomed.

Van,
K0KAV

Yahoo! Groups Links

1505. RE: [TS-520_820_530_830] VFO-230 Interconnect Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 02:34:48 UTC
From: Walter Milton
Topic: 1496 Message: 1505

Van,

I have one that I'm using. But have you asked Kenwood if they have one lying around that they will sell you?

Walt, KA2NJF
-----Original Message-----
From: kzerokav [mailto:k0kav@...]
Sent: Wednesday, March 31, 2004 1:22 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] VFO-230 Interconnect Cable

Not having an interconnect cable for my TS-530SP/VFO-230 and anxious to hook 'em up; I thought, heck, I'll just run over to Radio Shack and grab a couple of 8 pin Dins and wire up a cable. Yeah, right! They just don't have much for hams anymore, not even male din connectors. I have a few 7 pin dins I used to use for KW gear to key amps and lotsa others but no 8's.

Now I'm wondering, does anyone out there happen to have the VFO-230 interconnect cable you're not using, or in your junk box or something like that. I sure would like to light this thing up.

Tks for any help, ideas, etc.

Van,
K0KAV

--
Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1506. Re: [TS-520_820_530_830] Re: Uh Oh! Now my 530 doesn't want to load (HELP)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 04:03:22 UTC
From: Keith V
Topic: 1504 Message: 1506

Unfortunately, no.

Van

----- Original Message -----
From: "Brian" <turbo@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, March 31, 2004 8:06 PM
Subject: RE: [TS-520_820_530_830] Re: Uh Oh! Now my 530 doesn't want to load (HELP)

> You don't happen to accidentally have your key plugged in, do you? ;)
>
> - Brian
>
>
> -----Original Message-----
> From: Keith V [mailto:k0kav@...]
> Sent: Wednesday, March 31, 2004 8:42 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Re: Uh Oh! Now my 530 doesn't want to load
> (HELP)
>
> I sure hope this doesn't turn out to be the Screen Grid switch. Sounds
> suspicious to me. I was sure it was "ON", in fact, I flicked it back and
> forth a few times to make sure it was making good contact. Just now noticed
> it in the OFF position as I am taking off the bottom cover. Oh well. Will
> see when I put it back together.
>
> Any other ideas welcomed.
>
> Van,
> K0KAV

1507. Re: [TS-520_820_530_830] VFO-230 Interconnect Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 04:05:03 UTC
From: Keith V
Topic: 1496 Message: 1507

It appears that you can order them from Kenwood for about $41 shipped. It
is a new part number.

Van,
K0KAV

----- Original Message -----
From: "Walter Milton" <wmilton@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, March 31, 2004 8:34 PM
Subject: RE: [TS-520_820_530_830] VFO-230 Interconnect Cable

> Van,
>
> I have one that I'm using. But have you asked Kenwood if they have one
> lying around that they will sell you?
>
> Walt, KA2NJF

1508. Re: Uh Oh! Now my 530 doesn't want to load (HELP)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 05:02:22 UTC
From: Bob M
Topic: 1504 Message: 1508

Check your Mic Gain is at least half way..

Bob M.

--- In TS-520_820_530_830@yahoogroups.com, "Keith V" <k0kav@a...>
wrote:
> Unfortunately, no.
>
> Van
>
>

1509. Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 08:38:45 UTC
From: Bob M
Topic: 1509 Message: 1509

Bill ,
Would you have come across a circuit Diagram for a VR-500 Hand held receiver, a fellow club member needs a look over one but I have not found any on he Inet.

Thanks Bob M

1510. Re: [TS-520_820_530_830] Uh Oh! Now my 530 doesn't want to load (HELP)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 13:51:44 UTC
From: Bill K0ZL
Topic: 1504 Message: 1510

I think the filter caps for the screen supply are on
that board...

b
--- kzerokav <k0kav@...> wrote:
> A few days ago, I installed the narrow ssb filter
> [YK-88SN]in my 530
> SP. Everything went smooth, removed the IF Unit
> after removing most
> of the connectors, installed and soldered in the
> filter. While I
> was in there, I looked around, cleaned a little here
> and there.
> Checked several chassis grounds and loosened then
> tightened them up
> again and put everything back together.
>
> When I was done, I turned the radio on and only
> checked to make sure
> the Narrow filter was working okay, it was.
>
> Tonight, I decided to load it up and check into a
> net. Checked the
> bias current, right on. Switched the mode SW to
> TUNE and meter SW
> to ALC, keyed the transmitter so I could peak the
> load control.
> Didn't happen! When I keyed the transmitter, the
> needle quickly
> flickered to about 30 mA and back to zero. No
> amount of carrier
> insertion would change that.
>
> Basically, I didn't get beyond the Bias check,
> except the meter
> needle did flicker [when it should have moved up to
> about 2/3 scale]
> on the reduced power tuning step.
>
> I'm assuming I must have disturbed something while I
> was in there
> the other day, although I do intend to check and
> make sure all the
> IF board connectors are connected correctly, but

> that doesn't sound
> like the area I'm having problems in.
>
> Any help, ideas, etc., would sure be appreciated.
>
> Tks, Van
> K0KAV
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1511. Re: [TS-520_820_530_830] Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 13:57:04 UTC
From: Bill K0ZL
Topic: 1509 Message: 1511

Sorry, sure don't. Is that the Yaesu?

b

--- Bob M <baysideq@...> wrote:
> Bill ,
> Would you have come across a circuit Diagram for a
> VR-500 Hand held
> receiver, a fellow club member needs a look over one
> but I have not
> found any on he Inet.
>
> Thanks Bob M
>
>

=====

"If in doubt, MODIFY" --k0zl

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1512. Re: [TS-520_820_530_830] Uh Oh! Now my 530 doesn't want to load (HELP)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 14:46:08 UTC
From: Keith V
Topic: 1504 Message: 1512

Yep, they sure are.

Van

Bill K0ZL wrote:

Subject: Re: [TS-520_820_530_830] Uh Oh! Now my 530 doesn't want to load (HELP)

> I think the filter caps for the screen supply are on
> that board...
>
>
> b
> --- kzerokav <k0kav@...> wrote:
> > A few days ago, I installed the narrow ssb filter
> > [YK-88SN]in my 530
> > SP. Everything went smooth, removed the IF Unit
> > after removing most
> > of the connectors, installed and soldered in the
> > filter. While I
> > was in there, I looked around, cleaned a little here
> > and there.
> > Checked several chassis grounds and loosened then
> > tightened them up
> > again and put everything back together.
> >
> > When I was done, I turned the radio on and only
> > checked to make sure
> > the Narrow filter was working okay, it was.
<snip>

1513. New TS 530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-01 21:16:58 UTC
From: ft920yaesu1997
Topic: 1513 Message: 1513

Hi
Just got a TS 530s from a local ham.
The radio is very fine shape.
however I am looking for an istruction manual.
Is there one available online?
Does anyone have a PDf file they can email me?

I would also like to have the service manual.

Thanks
Scott
N9SZC

1514. Re: [TS-520_820_530_830] Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-02 01:14:46 UTC
From: bunny-dawg
Topic: 1509 Message: 1514

Kinda slow on my emails. Is that a typo as in should
it be a vr-5x ?
Robert

--- Bill K0ZL <coorsbill@...> wrote:
> Sorry, sure don't. Is that the Yaesu?
>
> b
>
>
> --- Bob M <baysideq@...> wrote:
> > Bill ,
> > Would you have come across a circuit Diagram for a
> > VR-500 Hand held
> > receiver, a fellow club member needs a look over
> one
> > but I have not
> > found any on he Inet.
> >
> > Thanks Bob M
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> _____
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1515. Re: [TS-520_820_530_830] Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-02 01:23:29 UTC
From: bunny-dawg
Topic: 1509 Message: 1515

Bob never mind the message about the model number but
i have to wonder how hard you did look for it. I have
the manual for the vr-500 if you wish to email me off
list. It took all of .24 seconds to find.
Robert
VE3 something or other

--- Bob M <baysideq@...> wrote:
> Bill ,
> Would you have come across a circuit Diagram for a
> VR-500 Hand held
> receiver, a fellow club member needs a look over one
> but I have not
> found any on he Inet.
>
> Thanks Bob M
>
>

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1516. Re: Yaesu VR-500 Circuit Diagram.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 01:32:17 UTC
From: Bob M
Topic: 1509 Message: 1516

Dooog,

better eat some more carrots.
original post

> Would you have come across a circuit Diagram for a
> > VR-500 Hand held
> > receiver

I have three versions of the operators manual but that does NOT
include the CIRCUIT Diagram.

Keep Digging please Dawg...

Regards
Bob M.

--- In TS-520_820_530_830@yahoogroups.com, bunny-dawg
<edheenan@y...> wrote:
> Bob never mind the message about the model number but
> i have to wonder how hard you did look for it. I have
> the manual for the vr-500 if you wish to email me off
> list. It took all of .24 seconds to find.
> Robert
> VE3 something or other
>
> --- Bob M <baysideq@h...> wrote:
> > Bill ,
> > Would you have come across a circuit Diagram for a
> > VR-500 Hand held
> > receiver, a fellow club member needs a look over one
> > but I have not
> > found any on he Inet.
> >
> > Thanks Bob M
> >
> >
>
>
> _____
> Do you Yahoo!?
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1517. Using R-820 as an external VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 02:13:25 UTC
From: Jim
Topic: 1517 Message: 1517

I have an R-820 that I want to use as an external VFO for my TS-820S. According to the documentation, I should be able to do this even without making the "full transceive" mods to the rig. My problem is that when I try to zero beat the two units, they still wind up far apart on frequency. I do OK when I switch the R-820 into RECV, transceive switch position, 25 Khz CAL switch on and zero beat to the TS-820, but when I try the next step which requires me to switch the R-820 into Tx mode and zero beat, it winds up far away from the TS-820 frequency.

I must be missing something here. Is there a similar zero beat procedure for those that use the external VFO? If so, maybe you can help walk me through it. Scratching my head here, and dandruff is bad for the rig. Before you ask, yes I switched the rear panel switch from "Full" to "VFO" mode.

73,
Jim

1518. Using R-820 as an external VFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 02:13:33 UTC
From: Jim
Topic: 1517 Message: 1518

I have an R-820 that I want to use as an external VFO for my TS-820S. According to the documentation, I should be able to do this even without making the "full transceive" mods to the rig. My problem is that when I try to zero beat the two units, they still wind up far apart on frequency. I do OK when I switch the R-820 into RECV, transceive switch position, 25 Khz CAL switch on and zero beat to the TS-820, but when I try the next step which requires me to switch the R-820 into Tx mode and zero beat, it winds up far away from the TS-820 frequency.

I must be missing something here. Is there a similar zero beat procedure for those that use the external VFO? If so, maybe you can help walk me through it. Scratching my head here, and dandruff is bad for the rig. Before you ask, yes I switched the rear panel switch from "Full" to "VFO" mode.

73,
Jim

1519. Re: Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 01:28:28 UTC
From: Bob M
Topic: 1509 Message: 1519

Bill,
Yes it is a yaesu,I was asking I thought you may have had the
circuit diagram at your repair Qth.

Thanks Bob M.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Sorry, sure don't. Is that the Yaesu?
>
> b
>
>
> --- Bob M <baysideq@h...> wrote:
> > Bill ,
>, a fellow club member needs a look over one
> > but I have not
> > found any on he Inet.
> >
> > Thanks Bob M
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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>
> _____________________________
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1520. 530s... 530sp.... 830s..... boards compare

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 13:59:27 UTC
From: kb0wd
Topic: 1520 Message: 1520

Hello All

Has anyone ever done a list of what boards are used in different models???

example If I have 530s and find a 530sp service manual is it

correct as far as IF board, RF Board etc.

Is the 530SP closer to an 830S as far as boards or closer to a

530S

In other words the question is do you have to get the correct

Service Manual for each?

Or do some over lap??

73
Rich

1521. Re: [TS-520_820_530_830] 530s... 530sp.... 830s..... boards compare

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 14:05:52 UTC
From: Keith V
Topic: 1520 Message: 1521

There is one service manual for the 530S/SP/D and another for the 830.

Van,
K0KAV

kb0wd wrote:

> Hello All
>
> Has anyone ever done a list of what boards are used in different
> models???
>
> example If I have 530s and find a 530sp service manual is it
>
> correct as far as IF board, RF Board etc.
>
> Is the 530SP closer to an 830S as far as boards or closer to a
>
> 530S
>
> In other words the question is do you have to get the correct
>
> Service Manual for each?
>
> Or do some over lap??
>
>
> 73
> Rich
>
>
>
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> Yahoo! Groups Links
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>

1522. Re: [TS-520_820_530_830] 530s... 530sp.... 830s..... boards compare

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 15:40:27 UTC
From: Peter A Markavage
Topic: 1520 Message: 1522

Actually there were two service manuals. The first one, issued in 1981
along with some service notes, just addressed the 530S, and the later
version issued in 1983, cover the S and the SP/D. This later version
detailed the Notch unit and several changes to the circuitry and the D
addressed the Korea market only.

Pete, WA2CWA

On Sat, 3 Apr 2004 08:05:52 -0600 "Keith V" <k0kav@...> writes:
There is one service manual for the 530S/SP/D and another for the 830.

Van,
K0KAV

kb0wd wrote:

> Hello All
>
> Has anyone ever done a list of what boards are used in different
> models???
>
> example If I have 530s and find a 530sp service manual is it
>
> correct as far as IF board, RF Board etc.
>
> Is the 530SP closer to an 830S as far as boards or closer to a
>
> 530S
>
> In other words the question is do you have to get the correct
>
> Service Manual for each?
>
> Or do some over lap??
>
>
> 73
> Rich
>
>
>
>
> Yahoo! Groups Links
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>
>
>

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1523. Re: [TS-520_820_530_830] Re: Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-03 17:29:30 UTC
From: Bill K0ZL
Topic: 1509 Message: 1523

I may, what was the model number?

b

--- Bob M <baysideq@...> wrote:
> Bill,
> Yes it is a yaesu,I was asking I thought you may
> have had the
> circuit diagram at your repair Qth.
>
> Thanks Bob M.
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Sorry, sure don't. Is that the Yaesu?
> >
> > b
> >
> >
> > --- Bob M <baysideq@h...> wrote:
> > > Bill ,
> >, a fellow club member needs a look over one
> > > but I have not
> > > found any on he Inet.
> > >
> > > Thanks Bob M
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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> >
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> > http://promotions.yahoo.com/design_giveaway/
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"If in doubt, MODIFY" --k0zl

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1524. Re: Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-04 02:27:04 UTC
From: Bob M
Topic: 1509 Message: 1524

VR-500

-- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> I may, what was the model number?
>
> b
>
> --- Bob M <baysideq@h...> wrote:
> > Bill,
> > Yes it is a yaesu,I was asking I thought you may
> > have had the
> > circuit diagram at your repair Qth.
> >
> > Thanks Bob M.
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> >
> > <coorsbill@y...> wrote:
> > > Sorry, sure don't. Is that the Yaesu?
> > >
> > > b
> > >
> > >
> > > --- Bob M <baysideq@h...> wrote:
> > > > Bill ,
> > >, a fellow club member needs a look over one
> > > > but I have not
> > > > found any on he Inet.
> > > >
> > > > Thanks Bob M
> > > >
> > > >
> > > >
> > > >
> > > > =====
> > > >
> > > > "If in doubt, MODIFY" --k0zl
> > > >
> > > > Need a tech? See our website
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> > > _____
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>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> _____
> Do you Yahoo!?
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1525. Re: [TS-520_820_530_830] Re: Bill ,?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-04 12:59:49 UTC
From: Bill K0ZL
Topic: 1509 Message: 1525

No tengo... that's one I need I guess.

bill

--- Bob M <baysideq@...> wrote:
> VR-500
>
> -- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > I may, what was the model number?
> >
> > b
> >
> > --- Bob M <baysideq@h...> wrote:
> > > Bill,
> > > Yes it is a yaesu,I was asking I thought you may
> > > have had the
> > > circuit diagram at your repair Qth.
> > >
> > > Thanks Bob M.
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > >
> > > <coorsbill@y...> wrote:
> > > > Sorry, sure don't. Is that the Yaesu?
> > > >
> > > > b
> > > >
> > > >
> > > > --- Bob M <baysideq@h...> wrote:
> > > > > Bill ,
> > > >, a fellow club member needs a look over one
> > > > > but I have not
> > > > > found any on he Inet.
> > > > >
> > > > > Thanks Bob M
> > > > >
> > > > >
> > > >
> > > >
> > > > =====
> > > >

> > > > "If in doubt, MODIFY" --k0zl
> > > >
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1526. S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-04 21:17:21 UTC
From: Jim
Topic: 1526 Message: 1526

I am trying to figure out why my S-meter will not deflect and why the meter lamps burn so dimly. This is an R-820, but the circuit visually looks very similar to the TS-820. I relamped both rigs with identical lamps around Christmas, and the TS-820 looks and works great. The meter lamps (and the VFO lamp) is brightly illuminated and the S-meter deflects properly.

On the receiver, the lamp over the VFO is nice and bright, but the two lamps over the S-meter are dim. The light up, but don't get the job done. The same terminal strip feeds both the VFO lamp and the meter lamps so I am confused as to why the meter behaves that way when the VFO does not. The lamps are supposed to be 12v 60ma, and the voltage on the terminal strip reads 11v. From what I can see on the schematic, there is nothing else connected into that part of the circuit. The 15 ohm resistor is good and reads spot-on 15.

The meter is just an S-meter in this receiver. The schematic shows the positive going to a 11-pin connector on the IF-A unit, other side to ground. I THINK I found the corresponding connector and reseated it just to be sure (lots of white wires in that harness).

The only clue I have is that when the meter does decide to work a bit, as a CW signal comes in, the meter lamps brighten and dim with the signal. You can watch somebody call CQ! Am I right in thinking that something is drawing excess current, hence the funny behavior? I visually checked for some things, like a bare wire touching the chassis or a short, but did not see anything that simple. The rig does receive most of the time, but on one or two occassions I have heard a nasty sound, almost like the broadband noise from those BPL trials, that goes away if I power off and power on again.

Am I on the right track? Can anybody:

A. Make a suggestion of where to look next?
B. Supply a more readable version of the schematic or service manual? I downloaded one from the German mods site, but the resolution is somewhat poor.

73,
Jim

1527. Wanted TS 530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-04 21:19:50 UTC
From: ft920yaesu1997
Topic: 1527 Message: 1527

I am looking for a TS 530S
with or without filters
I need it for a starter rig for my relation.
Thanks
Scott
N9SZC

1528. Re: [TS-520_820_530_830] Wanted TS 530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-04 21:29:39 UTC
From: Peter A Markavage
Topic: 1527 Message: 1528

Flowers might be better.
Pete, wa2cwa

On Sun, 04 Apr 2004 21:19:50 -0000 "ft920yaesu1997"
<ft920yaesu1997@...> writes:
I am looking for a TS 530S
with or without filters
I need it for a starter rig for my relation.
Thanks
Scott
N9SZC

[Non-text portions of this message have been removed]

1529. Re: [TS-520_820_530_830] S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 13:31:29 UTC
From: Bill K0ZL
Topic: 1526 Message: 1529

Is your 12v regulated OK in the rig?

b

--- Jim <K1ZC@...> wrote:
> I am trying to figure out why my S-meter will not
> deflect and why
> the meter lamps burn so dimly. This is an R-820,
> but the circuit
> visually looks very similar to the TS-820. I
> relamped both rigs
> with identical lamps around Christmas, and the
> TS-820 looks and
> works great. The meter lamps (and the VFO lamp) is
> brightly
> illuminated and the S-meter deflects properly.
>
> On the receiver, the lamp over the VFO is nice and
> bright, but the
> two lamps over the S-meter are dim. The light up,
> but don't get the
> job done. The same terminal strip feeds both the
> VFO lamp and the
> meter lamps so I am confused as to why the meter
> behaves that way
> when the VFO does not. The lamps are supposed to be
> 12v 60ma, and
> the voltage on the terminal strip reads 11v. From
> what I can see on
> the schematic, there is nothing else connected into
> that part of the
> circuit. The 15 ohm resistor is good and reads
> spot-on 15.
>
> The meter is just an S-meter in this receiver. The
> schematic shows
> the positive going to a 11-pin connector on the IF-A
> unit, other
> side to ground. I THINK I found the corresponding
> connector and
> reseated it just to be sure (lots of white wires in
> that harness).
>
> The only clue I have is that when the meter does
> decide to work a

> bit, as a CW signal comes in, the meter lamps
> brighten and dim with
> the signal. You can watch somebody call CQ! Am I
> right in thinking
> that something is drawing excess current, hence the
> funny behavior?
> I visually checked for some things, like a bare wire
> touching the
> chassis or a short, but did not see anything that
> simple. The rig
> does receive most of the time, but on one or two
> occassions I have
> heard a nasty sound, almost like the broadband noise
> from those BPL
> trials, that goes away if I power off and power on
> again.
>
> Am I on the right track? Can anybody:
>
> A. Make a suggestion of where to look next?
> B. Supply a more readable version of the schematic
> or service
> manual? I downloaded one from the German mods site,
> but the
> resolution is somewhat poor.
>
> 73,
> Jim
>
>

=====

"If in doubt, MODIFY" --k0zl

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1530. Re: S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 14:49:41 UTC
From: Jim
Topic: 1526 Message: 1530

Bill,

I don't know, how would I go about checking how the 12v is regulated? My test equipment consists of the humble multimeter, but nothing else. I thought measuring the voltage across the terminal strip would suffice, but maybe there is something I am missing?

I find it strange that the VFO lamp and the meter lamps are fed off the exact same terminal strip, yet the VFO lamp does not exhibit this behavior/

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Is your 12v regulated OK in the rig?
>
> b
>

1531. Re: [TS-520_820_530_830] Wanted TS 530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 14:59:53 UTC
From: KennyMac
Topic: 1527 Message: 1531

If you're still looking, I have a TS530s in excellent condition w/ MC60...

Ken
KC8YYC
killmodell@...

----- Original Message -----
From: "Peter A Markavage" <pmarkavage@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, April 04, 2004 5:29 PM
Subject: Re: [TS-520_820_530_830] Wanted TS 530S

> Flowers might be better.
> Pete, wa2cwa
>
>
> On Sun, 04 Apr 2004 21:19:50 -0000 "ft920yaesu1997"
> <ft920yaesu1997@...> writes:
> I am looking for a TS 530S
> with or without filters
> I need it for a starter rig for my relation.
> Thanks
> Scott
> N9SZC
>
> [Non-text portions of this message have been removed]
>
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1532. Re: [TS-520_820_530_830] Re: S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 15:49:07 UTC
From: rfay@charter.net
Topic: 1526 Message: 1532

Check the ground return for this circuit. You could have a bad return.
Bob WC0D
>
> From: "Jim" <K1ZC@...>
> Date: 2004/04/05 Mon PM 02:49:41 GMT
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: S-meter driving me nuts
>
>

[Non-text portions of this message have been removed]

1533. Re: [TS-520_820_530_830] Re: S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 20:11:13 UTC
From: Bill K0ZL
Topic: 1526 Message: 1533

I think you can get to the terminal strip that has the
red wires on it for the meter lamps...

If they are too dim, could be that someone replaced
them with some that draw too little current to be
bright enough for ya.

You could also have two separate problems. First
check when t'shooting AGC or ALC problems is to make
sure that all the low voltage regulators are working.
All you need for that is (drum roll) a simple DVM and
the schematic, and someone to help you find what to
check. That's free.

bill

--- Jim <K1ZC@...> wrote:
> Bill,
>
> I don't know, how would I go about checking how the
> 12v is
> regulated? My test equipment consists of the humble
> multimeter, but
> nothing else. I thought measuring the voltage
> across the terminal
> strip would suffice, but maybe there is something I
> am missing?
>
> I find it strange that the VFO lamp and the meter
> lamps are fed off
> the exact same terminal strip, yet the VFO lamp does
> not exhibit
> this behavior/
>
> 73,
> Jim
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Is your 12v regulated OK in the rig?
> >
> > b
> >
>
>

>

=====

"If in doubt, MODIFY" --k0zl

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1534. Re: S-meter driving me nuts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-05 22:10:46 UTC
From: Jim
Topic: 1526 Message: 1534

Bill & Bob,

Thanks for the suggestions. I am sure the lamps are OK because I relamped both my TS-820 and R-820 over the Christmas holidays so I know exactly what lamps are in there. All six are identical and all are to factory spec.

I will check the grounds as Bob suggested, but I will have to find somebody to help with the low voltage regulators. Fortunately, I have a buddy that is a whiz at this stuff, knows his way around a schematic, and he even has a proper workbench.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> I think you can get to the terminal strip that has the
> red wires on it for the meter lamps...
>
> If they are too dim, could be that someone replaced
> them with some that draw too little current to be
> bright enough for ya.
>
> You could also have two separate problems. First
> check when t'shooting AGC or ALC problems is to make
> sure that all the low voltage regulators are working.
> All you need for that is (drum roll) a simple DVM and
> the schematic, and someone to help you find what to
> check. That's free.
>
> bill

1535. Re: Wanted TS 530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-06 20:20:06 UTC
From: ft920yaesu1997
Topic: 1527 Message: 1535

What are the details?
Thanks

--- In TS-520_820_530_830@yahoogroups.com, "KennyMac"
<killmodell@e...> wrote:
> If you're still looking, I have a TS530s in excellent condition w/
MC60...
>
> Ken
> KC8YYC
> killmodell@e...
>
>
>
> ----- Original Message -----
> From: "Peter A Markavage" <pmarkavage@j...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Sunday, April 04, 2004 5:29 PM
> Subject: Re: [TS-520_820_530_830] Wanted TS 530S
>
>
> > Flowers might be better.
> > Pete, wa2cwa
> >
> >
> > On Sun, 04 Apr 2004 21:19:50 -0000 "ft920yaesu1997"
> > <ft920yaesu1997@y...> writes:
> > I am looking for a TS 530S
> > with or without filters
> > I need it for a starter rig for my relation.
> > Thanks
> > Scott
> > N9SZC
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
> >

1536. Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-07 05:47:44 UTC
From: wo7t
Topic: 1536 Message: 1536

My TS530S, receives and transmits on 10mhz all the way up to 10M
with fairly close to new spec'ed power out for those bands.

On 40M and below it is stone dead in terms of output. No amount of
tuning, dipping or drive, gives any inkling of output power on 40 or
80.

Any ideas, why the partial death of my TS-530S?

73
Mark

1537. Re: [TS-520_820_530_830] Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-08 19:43:08 UTC
From: Bill K0ZL
Topic: 1536 Message: 1537

RX ok on those bands?

b

--- wo7t <wo7t@...> wrote:
> My TS530S, receives and transmits on 10mhz all the
> way up to 10M
> with fairly close to new spec'ed power out for those
> bands.
>
> On 40M and below it is stone dead in terms of
> output. No amount of
> tuning, dipping or drive, gives any inkling of
> output power on 40 or
> 80.
>
> Any ideas, why the partial death of my TS-530S?
>
> 73
> Mark
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1538. Re: [TS-520_820_530_830] Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-08 23:52:52 UTC
From: Francis Wissler
Topic: 1536 Message: 1538

By any chance some CBer have before, I had a Yasue FT101E that some one tried to tune for the CB band and that killed it after realigning it worked great.

Ed k7few@...
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, April 08, 2004 12:43 PM
Subject: Re: [TS-520_820_530_830] Help::Loads Fine 30-10 ; ZERO Out on 40M and down

RX ok on those bands?

b

--- wo7t <wo7t@...> wrote:
> My TS530S, receives and transmits on 10mhz all the
> way up to 10M
> with fairly close to new spec'ed power out for those
> bands.
>
> On 40M and below it is stone dead in terms of
> output. No amount of
> tuning, dipping or drive, gives any inkling of
> output power on 40 or
> 80.
>
> Any ideas, why the partial death of my TS-530S?
>
> 73
> Mark
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1539. What year?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-10 16:32:05 UTC
From: kd7jeh
Topic: 1539 Message: 1539

Hello to the group.

I am new to the group and want to know a little history of these fine radios. What year were these Kenwoods built? The TS520, TS820, 530, and 830?

Thanks

Bert

1540. Re: Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-12 14:32:34 UTC
From: wo7t
Topic: 1536 Message: 1540

The simplist of problems.....Dirty bandswtich....I noticed
80M seemed to pop to life when playing around with it with live
outdoor antenna instead of dummy load....Then switched the bands
switch through it's range a few times, went back to 40M, and could
load and tune fine.

Will be tearing down one weekend and putting a little CAIG cleaner
on all the controls..

Thanks for all the suggestions.

Mark

--- In TS-520_820_530_830@yahoogroups.com, "wo7t" <wo7t@j...> wrote:
> My TS530S, receives and transmits on 10mhz all the way up to 10M
> with fairly close to new spec'ed power out for those bands.
>
> On 40M and below it is stone dead in terms of output. No amount of
> tuning, dipping or drive, gives any inkling of output power on 40
or
> 80.
>
> Any ideas, why the partial death of my TS-530S?
>
> 73
> Mark

1541. Re: [TS-520_820_530_830] Re: Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-12 19:08:40 UTC
From: Bill K0ZL
Topic: 1536 Message: 1541

Mark,
I don't recommend spraying the bandswitch directly.
The fiber wafers could swell and cause the switch to
feel very tight.

I use a foam-tip applicator; soak it in the spray,
then apply to only the metal parts (as much as
possible) on the switch, then change bands and do it
again so you get all of the switch areas.

Also, look at the 1/4" shaft coupling just inside the
PA cage... it may be cracked. This will allow slop on
the bandswitch and sometimes cause some bands to fail.

b

--- wo7t <wo7t@...> wrote:
> The simplist of problems.....Dirty
> bandswtich....I noticed
> 80M seemed to pop to life when playing around with
> it with live
> outdoor antenna instead of dummy load....Then
> switched the bands
> switch through it's range a few times, went back to
> 40M, and could
> load and tune fine.
>
> Will be tearing down one weekend and putting a
> little CAIG cleaner
> on all the controls..
>
> Thanks for all the suggestions.
>
> Mark
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "wo7t"
> <wo7t@j...> wrote:
> > My TS530S, receives and transmits on 10mhz all the
> way up to 10M
> > with fairly close to new spec'ed power out for
> those bands.
> >
> > On 40M and below it is stone dead in terms of
> output. No amount of

> > tuning, dipping or drive, gives any inkling of
> output power on 40
> or
> > 80.
> >
> > Any ideas, why the partial death of my TS-530S?
> >
> > 73
> > Mark
>
>

=====

"If in doubt, MODIFY" --k0zl

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1542. Factory Shipping Carton TS-530 Series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-13 18:12:57 UTC
From: kzerokav
Topic: 1542 Message: 1542

Anyone out there have one without the radio or just wanna get rid of one? I'm looking for one. I have the inner carton but not the outer. Tks!

Van,
K0KAV

kavan@...
k0kav@...

1543. Re: Factory Shipping Carton TS-530 Series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-14 14:16:43 UTC
From: kzerokav
Topic: 1542 Message: 1543

Found one. Thanks!

Van,
K0KAV

--- In TS-520_820_530_830@yahoogroups.com, "kzerokav" <k0kav@a...>
wrote:
> Anyone out there have one <snip>

1544. Re: Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-15 14:14:59 UTC
From: w0spy
Topic: 1536 Message: 1544

--- Bill
I am having a problem with 80M LSB not working on my R599 Kenwood
Twins. Could this be the same problem?
Don

>
> Need a tech? See our website www.amateur-repairs.com
>
>
>
>
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> http://taxes.yahoo.com/filing.html

1545. Re: [TS-520_820_530_830] Re: Help::Loads Fine 30-10 ; ZERO Out on 40M and down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-15 22:45:07 UTC
From: Bill K0ZL
Topic: 1536 Message: 1545

No, I don't think so.

I can see 80M not working, or LSB not working on any
bands. But this particular combo has me stumped.

b

--- w0spy <supergdad@...> wrote:
> --- Bill
> I am having a problem with 80M LSB not working on my
> R599 Kenwood
> Twins. Could this be the same problem?
> Don
>
> >
> > Need a tech? See our website
> www.amateur-repairs.com
> >
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Tax Center - File online by April 15th
> > http://taxes.yahoo.com/filing.html
>
>

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1546. TS-520SE Transverter Connection

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-16 16:35:25 UTC
From: Brent Baum
Topic: 1546 Message: 1546

I appreciate KE4DRN for steering me to this group.

I own a TS-520SE and last week a friend gave me a TV-506 (6 meter transverter) to go with it. However, when Kenwood made the changes in the "S" to create the "SE" one of the features they dropped was the transverter connection. In comparing the schematics for the two models it appears that the appropriate junction points still exist on the circuit boards. It also appears that I will need to add a couple of RCA jacks, the rectangular transverter connector and a slide switch somewhere on the back of the chassis. The schematic for the "S" also shows a relay and some sort of choke in the IF (?) line that the "SE" doesn't have.

Also on my particular unit the previous owner installed CB crystals in the 10 meter slots, so I have to open it up to recrystal the poor beast anyway.

So questions:
1. Has anyone done this retrofit and have any guidance?
2. Is the IF choke really necessary?
3. Is the relay a separate unit or just another set of contacts on the regular T/R relay?

Any help and guidance in this project will be appreciated.

73 de KC5MEI, Heber City, UT

1547. ts-530 split nylon cogs.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-22 06:46:24 UTC
From: blobby12uk
Topic: 1547 Message: 1547

With reference to the ts-530.The main DRIVE control shaft I have noticed the nylon cogs have split where the grub screws enter.Is there a reliable fix or are these items still available.Second hand or new.
They are grabbing the shaft at the moment but I'm thinking in the future they will break.
Bob.G7JHW

1548. Re: [TS-520_820_530_830] ts-530 split nylon cogs.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-22 20:58:38 UTC
From: Bill K0ZL
Topic: 1547 Message: 1548

these are available, i will post the part number later
today.

Best to change them; even if not broken completely
they will introduce slop in the bandswitch that will
cause intermittant rx and tx power.

b

--- blobby12uk <g7jhw@...> wrote:
> With reference to the ts-530.The main DRIVE control
> shaft I have
> noticed the nylon cogs have split where the grub
> screws enter.Is
> there a reliable fix or are these items still
> available.Second hand
> or new.
> They are grabbing the shaft at the moment but I'm
> thinking in the
> future they will break.
> Bob.G7JHW
>
>

=====

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1549. RE: [TS-520_820_530_830] Sidetone Pitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-24 13:42:12 UTC
From: Ken Nellis
Topic: 1549 Message: 1549

Is it possible to adjust the pitch of the sidetone on a TS-820S? If so, can anyone advise me how to go about it?

Also, I'd like to know how to turn down the sidetone volume a bit. Seems to me that topic has come up in the past.

Thanks!

Ken

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1550. Kenwood 820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-28 01:37:09 UTC
From: aussiefund
Topic: 1550 Message: 1550

Hello group, I recently purchased a TS-820 and im trying to get it back into tip top shape. Does anybody know where i might be able to find a set of the black toggle switches to replace a few broken ones? Thanks
Jerrod KD5RAK

_____
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1551. Re: black toggle switches & black push button clips

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-28 12:47:54 UTC
From: Phono-Guy
Topic: 1551 Message: 1551

If anyone has a source for these ... please let the group know?

Thanks,
Clint

Message: 1
Date: Tue, 27 Apr 2004 18:37:09 -0700 (PDT)
From: aussiefund
Subject: Kenwood 820

Hello group, I recently purchased a TS-820 and im
trying to get it back into tip top shape. Does anybody
know where i might be able to find a set of the black
toggle switches to replace a few broken ones? Thanks
Jerrod KD5RAK

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[Non-text portions of this message have been removed]

1552. power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-28 14:16:42 UTC
From: blobby12uk
Topic: 1552 Message: 1552

Can anyone tell me why the power drops slightly after the valve
heaters have been on for an hour or so.About 5% drop.
Is this a sign of cathode poisoning or some other iminent failure.
Regards
Bob/g7jhw

1553. Re: Kenwood 820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-28 14:50:51 UTC
From: pchapman9202003
Topic: 1550 Message: 1553

--- In TS-520_820_530_830@yahoogroups.com, aussiefund
<aussiefund@y...> wrote:
> Hello group, I recently purchased a TS-820 and im
> trying to get it back into tip top shape. Does anybody
> know where i might be able to find a set of the black
> toggle switches to replace a few broken ones? Thanks
> Jerrod KD5RAK

That is a good question, as I see few 820's sold as parts rigs. I
need to replace one myself. I'll do some searches and check back in
with it
>
>
>
>
> _____
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1554. Re: [TS-520_820_530_830] power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-28 17:55:39 UTC
From: Bill K0ZL
Topic: 1552 Message: 1554

Hey these rigs ain't no sping chickens! hi.

As long as you are able to make ALC reading in TX and
it's not down below 75 watts, I would not worry;
however, get a set of tubes and keep them handy.

Many tubes are changed prematurely; and either a good
set of tubes is discarded, or a well-used set is left
on a shelf.

I like to see them used until they are DND (Darn Near
Dead); to get the most out of our limited tube-stock
these days.

b

--- blobby12uk <g7jhw@...> wrote:
> Can anyone tell me why the power drops slightly
> after the valve
> heaters have been on for an hour or so.About 5%
> drop.
> Is this a sign of cathode poisoning or some other
> iminent failure.
> Regards
> Bob/g7jhw
>
>

=====

"If in doubt, MODIFY" --k0zl

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1555. Re: [TS-520_820_530_830] power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 07:25:13 UTC
From: Bob
Topic: 1552 Message: 1555

Thankyou for your reply.I was just wondering if component failure in the pa
stage were failing.I have a spare set of matched valves,shall not use them
until ones in set are "knackered".
Hope you don't mind,but,are you familiar with the ts-120v.There is no drive
coming from the rf board,but there is very low level rf coming from the
switch ,the third one from the front of the set.Switches the band pass
filters into the pre driver stages.Ithink.
Regards
Bob/G7JHW
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, April 28, 2004 6:55 PM
Subject: Re: [TS-520_820_530_830] power drop/ts-530s

> Hey these rigs ain't no sping chickens! hi.
>
> As long as you are able to make ALC reading in TX and
> it's not down below 75 watts, I would not worry;
> however, get a set of tubes and keep them handy.
>
> Many tubes are changed prematurely; and either a good
> set of tubes is discarded, or a well-used set is left
> on a shelf.
>
> I like to see them used until they are DND (Darn Near
> Dead); to get the most out of our limited tube-stock
> these days.
>
> b
>
> --- blobby12uk <g7jhw@...> wrote:
> > Can anyone tell me why the power drops slightly
> > after the valve
> > heaters have been on for an hour or so.About 5%
> > drop.
> > Is this a sign of cathode poisoning or some other
> > iminent failure.
> > Regards
> > Bob/g7jhw
> >
> >
>
>
> =====

>
> "If in doubt, MODIFY" --k0zl
>
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Version: 6.0.656 / Virus Database: 421 - Release Date: 09/04/2004

1556. Bill I'm there...Got my call today

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 13:16:52 UTC
From: Bob M
Topic: 1556 Message: 1556

Bill,
just thought I'd let you know
My wife and I got our resultsm yesterday
poped into ACA today we now have our Numbers
and went onto a local 80mtr net and 2 mtrs tonight.

Ruth = VK4HEY
Bob = VK4HAY

Hey,Hay...

Next on to a Full Call

Regards
Bob M.

1557. Re: [TS-520_820_530_830] power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 16:04:03 UTC
From: Bill K0ZL
Topic: 1552 Message: 1557

usual cause of low/no drive on the 120/130 series, if
on all bands, is a failure of one or more of the rf
filter switching diodes, or a lack of LO signal to one
of the mixers. Will take some troubleshooting to
determine which it is.

b

--- Bob <g7jhw@...> wrote:
> Thankyou for your reply.I was just wondering if
> component failure in the pa
> stage were failing.I have a spare set of matched
> valves,shall not use them
> until ones in set are "knackered".
> Hope you don't mind,but,are you familiar with the
> ts-120v.There is no drive
> coming from the rf board,but there is very low level
> rf coming from the
> switch ,the third one from the front of the
> set.Switches the band pass
> filters into the pre driver stages.Ithink.
> Regards
> Bob/G7JHW
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Wednesday, April 28, 2004 6:55 PM
> Subject: Re: [TS-520_820_530_830] power drop/ts-530s
>
>
> > Hey these rigs ain't no sping chickens! hi.
> >
> > As long as you are able to make ALC reading in TX
> and
> > it's not down below 75 watts, I would not worry;
> > however, get a set of tubes and keep them handy.
> >
> > Many tubes are changed prematurely; and either a
> good
> > set of tubes is discarded, or a well-used set is
> left
> > on a shelf.
> >
> > I like to see them used until they are DND (Darn
> Near

> > Dead); to get the most out of our limited
> tube-stock
> > these days.
> >
> > b
> >
> > --- blobby12uk <g7jhw@...> wrote:
> > > Can anyone tell me why the power drops slightly
> > > after the valve
> > > heaters have been on for an hour or so.About 5%
> > > drop.
> > > Is this a sign of cathode poisoning or some
> other
> > > iminent failure.
> > > Regards
> > > Bob/g7jhw
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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> >
> > _____________________________________
> > Do you Yahoo!?
> > Win a $20,000 Career Makeover at Yahoo! HotJobs
> >
> http://hotjobs.sweepstakes.yahoo.com/careermakeover
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> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system
> (http://www.grisoft.com).
> Version: 6.0.656 / Virus Database: 421 - Release
> Date: 09/04/2004
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>

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"If in doubt, MODIFY" --k0zl

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Do you Yahoo!?
Win a $20,000 Career Makeover at Yahoo! HotJobs
http://hotjobs.sweepstakes.yahoo.com/careermakeover

1558. Re: [TS-520_820_530_830] Bill I'm there...Got my call today

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 16:06:04 UTC
From: Bill K0ZL
Topic: 1556 Message: 1558

Congrats to both of you!! that is great.

b

--- Bob M <baysideq@...> wrote:
> Bill,
> just thought I'd let you know
> My wife and I got our resultsm yesterday
> poped into ACA today we now have our Numbers
> and went onto a local 80mtr net and 2 mtrs tonight.
>
> Ruth = VK4HEY
> Bob = VK4HAY
>
> Hey,Hay...
>
> Next on to a Full Call
>
> Regards
> Bob M.
>
>

=====

"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

_____
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http://hotjobs.sweepstakes.yahoo.com/careermakeover

1559. Re: [TS-520_820_530_830] Bill I'm there...Got my call today

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 16:16:13 UTC
From: bunny-dawg
Topic: 1556 Message: 1559

Congrats too. Clever callsigns too.
Robert
VE3 something or other

--- Bill K0ZL <coorsbill@...> wrote:
> Congrats to both of you!! that is great.
>
> b
>
>
> --- Bob M <baysideq@...> wrote:
> > Bill,
> > just thought I'd let you know
> > My wife and I got our resultsm yesterday
> > poped into ACA today we now have our Numbers
> > and went onto a local 80mtr net and 2 mtrs
> tonight.
> >
> > Ruth = VK4HEY
> > Bob = VK4HAY
> >
> > Hey,Hay...
> >
> > Next on to a Full Call
> >
> > Regards
> > Bob M.
> >
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> Do you Yahoo!?
> Win a $20,000 Career Makeover at Yahoo! HotJobs
> http://hotjobs.sweepstakes.yahoo.com/careermakeover
>

Do you Yahoo!?
Win a $20,000 Career Makeover at Yahoo! HotJobs
http://hotjobs.sweepstakes.yahoo.com/careermakeover

1560. Re: [TS-520_820_530_830] power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 19:42:21 UTC
From: Bob
Topic: 1552 Message: 1560

I have service info,I will have a go.
My son ,who is 12year old m3 will be happy if I get it going.He misses hf operating.I will say he is good ham operator even though he is only 12.Shows alot of the old timers up h hi.
Thanks
G7JHW

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, April 29, 2004 5:04 PM
Subject: Re: [TS-520_820_530_830] power drop/ts-530s

> usual cause of low/no drive on the 120/130 series, if
> on all bands, is a failure of one or more of the rf
> filter switching diodes, or a lack of LO signal to one
> of the mixers. Will take some troubleshooting to
> determine which it is.
>
> b
>
> --- Bob <g7jhw@...> wrote:
> > Thankyou for your reply.I was just wondering if
> > component failure in the pa
> > stage were failing.I have a spare set of matched
> > valves,shall not use them
> > until ones in set are "knackered".
> > Hope you don't mind,but,are you familiar with the
> > ts-120v.There is no drive
> > coming from the rf board,but there is very low level
> > rf coming from the
> > switch ,the third one from the front of the
> > set.Switches the band pass
> > filters into the pre driver stages.Ithink.
> > Regards
> > Bob/G7JHW
> > ----- Original Message -----
> > From: "Bill K0ZL" <coorsbill@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Wednesday, April 28, 2004 6:55 PM
> > Subject: Re: [TS-520_820_530_830] power drop/ts-530s
> >
> >
> > > Hey these rigs ain't no sping chickens! hi.
> > >

> > > As long as you are able to make ALC reading in TX
> > and
> > > it's not down below 75 watts, I would not worry;
> > > however, get a set of tubes and keep them handy.
> > >
> > > Many tubes are changed prematurely; and either a
> > good
> > > set of tubes is discarded, or a well-used set is
> > left
> > > on a shelf.
> > >
> > > I like to see them used until they are DND (Darn
> > Near
> > > Dead); to get the most out of our limited
> > tube-stock
> > > these days.
> > >
> > > b
> > >
> > > --- blobby12uk <g7jhw@...> wrote:
> > > > Can anyone tell me why the power drops slightly
> > > > after the valve
> > > > heaters have been on for an hour or so.About 5%
> > > > drop.
> > > > Is this a sign of cathode poisoning or some
> > other
> > > > iminent failure.
> > > > Regards
> > > > Bob/g7jhw
> > > >
> > > >
> > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website
> > www.amateur-repairs.com
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> > > Do you Yahoo!?
> > > Win a $20,000 Career Makeover at Yahoo! HotJobs
> > >

> > http://hotjobs.sweepstakes.yahoo.com/careermakeover
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> > > Yahoo! Groups Links
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> > ---
> > Outgoing mail is certified Virus Free.
> > Checked by AVG anti-virus system
> > (http://www.grisoft.com).
> > Version: 6.0.656 / Virus Database: 421 - Release
> > Date: 09/04/2004
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
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Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.656 / Virus Database: 421 - Release Date: 09/04/2004

1561. Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-29 23:05:23 UTC
From: w0spy
Topic: 1561 Message: 1561

I have had TS-520 and the 599 Twins for several years. Have been looking at some of the rigs with digital readout on EBay. Does anyone know of any problems or gotchas with the following Kenwood rigs?
TS-130S
TS-430S
TS-530 SP
TS-690S with Tuner
TS-830
TS-830S

Thanks
Don

1562. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 00:08:23 UTC
From: bunny-dawg
Topic: 1561 Message: 1562

I can't really advise you on those rigs having never
owned any of them. But you might want to have a look
at www.mods.dk and see the problems/mods for the
various rigs on your wish list. I believe you can
find rig reviews on www.eham.com as well (not sure
about that url).
Or you can do a google search on the rigs to see what
you find as well.

Robert
VE3 something or other

--- w0spy <supergdad@...> wrote:
> I have had TS-520 and the 599 Twins for several
> years. Have been
> looking at some of the rigs with digital readout on
> EBay. Does anyone
> know of any problems or gotchas with the following
> Kenwood rigs?
> TS-130S
> TS-430S
> TS-530 SP
> TS-690S with Tuner
> TS-830
> TS-830S
>
> Thanks
> Don
>
>
>

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http://hotjobs.sweepstakes.yahoo.com/careermakeover

1563. Re: [TS-520_820_530_830] power drop/ts-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 01:40:32 UTC
From: Bill K0ZL
Topic: 1552 Message: 1563

Yes the kids are better ops than we are sometimes.
b

--- Bob <g7jhw@...> wrote:
> I have service info,I will have a go.
> My son ,who is 12year old m3 will be happy if I get
> it going.He misses hf
> operating.I will say he is good ham operator even
> though he is only 12.Shows
> alot of the old timers up h hi.
> Thanks
> G7JHW
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Thursday, April 29, 2004 5:04 PM
> Subject: Re: [TS-520_820_530_830] power drop/ts-530s
>
>
> > usual cause of low/no drive on the 120/130 series,
> if
> > on all bands, is a failure of one or more of the
> rf
> > filter switching diodes, or a lack of LO signal to
> one
> > of the mixers. Will take some troubleshooting to
> > determine which it is.
> >
> > b
> >
> > --- Bob <g7jhw@...> wrote:
> > > Thankyou for your reply.I was just wondering if
> > > component failure in the pa
> > > stage were failing.I have a spare set of matched
> > > valves,shall not use them
> > > until ones in set are "knackered".
> > > Hope you don't mind,but,are you familiar with
> the
> > > ts-120v.There is no drive
> > > coming from the rf board,but there is very low
> level
> > > rf coming from the
> > > switch ,the third one from the front of the
> > > set.Switches the band pass

> > > filters into the pre driver stages.Ithink.
> > > Regards
> > > Bob/G7JHW
> > > ----- Original Message -----
> > > From: "Bill K0ZL" <coorsbill@...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Wednesday, April 28, 2004 6:55 PM
> > > Subject: Re: [TS-520_820_530_830] power
> drop/ts-530s
> > > >
> > > >
> > > > > Hey these rigs ain't no sping chickens! hi.
> > > > >
> > > > > As long as you are able to make ALC reading in
> TX
> > > > and
> > > > > it's not down below 75 watts, I would not
> worry;
> > > > > however, get a set of tubes and keep them
> handy.
> > > > >
> > > > > Many tubes are changed prematurely; and either
> a
> > > > good
> > > > > set of tubes is discarded, or a well-used set
> is
> > > > left
> > > > > on a shelf.
> > > > >
> > > > > I like to see them used until they are DND
> (Darn
> > > > Near
> > > > > Dead); to get the most out of our limited
> > > > tube-stock
> > > > > these days.
> > > > >
> > > > > b
> > > > >
> > > > > --- blobby12uk <g7jhw@...> wrote:
> > > > > > Can anyone tell me why the power drops
> slightly
> > > > > > after the valve
> > > > > > heaters have been on for an hour or so.About
> 5%
> > > > > > drop.
> > > > > > Is this a sign of cathode poisoning or some
> > > > other
> > > > > > iminent failure.
> > > > > > Regards
> > > > > > Bob/g7jhw

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> > > > =====
> > > >
> > > > "If in doubt, MODIFY" --k0zl
> > > >
> > > > Need a tech? See our website
> > > www.amateur-repairs.com
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> > > > Do you Yahoo!?
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> HotJobs
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> http://hotjobs.sweepstakes.yahoo.com/careermakeover
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> > > > Yahoo! Groups Links
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> > > Outgoing mail is certified Virus Free.
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> > > (http://www.grisoft.com).
> > > Version: 6.0.656 / Virus Database: 421 - Release
> > > Date: 09/04/2004
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> >
> > "If in doubt, MODIFY" --k0zl

> >
> > Need a tech? See our website
> www.amateur-repairs.com
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> > Do you Yahoo!?
> > Win a $20,000 Career Makeover at Yahoo! HotJobs
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> http://hotjobs.sweepstakes.yahoo.com/careermakeover
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> Version: 6.0.656 / Virus Database: 421 - Release
> Date: 09/04/2004
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>

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"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

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http://hotjobs.sweepstakes.yahoo.com/careermakeover

1564. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 01:41:23 UTC
From: Bill K0ZL
Topic: 1561 Message: 1564

These are all potentially great radios; Get a
non-smoker's rig.

b

--- w0spy <supergdad@...> wrote:
> I have had TS-520 and the 599 Twins for several
> years. Have been
> looking at some of the rigs with digital readout on
> EBay. Does anyone
> know of any problems or gotchas with the following
> Kenwood rigs?
> TS-130S
> TS-430S
> TS-530 SP
> TS-690S with Tuner
> TS-830
> TS-830S
>
> Thanks
> Don
>
>
>

=====

"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

_____
Do you Yahoo!?
Win a $20,000 Career Makeover at Yahoo! HotJobs
http://hotjobs.sweepstakes.yahoo.com/careermakeover

1565. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 01:11:37 UTC
From: Norm Fusaro
Topic: 1561 Message: 1565

My $.02 listed below.
73,
Norm, W3IZ
www.w3iz.com
Does anyone
> know of any problems or gotchas with the following
> Kenwood rigs?
> TS-130S
Avoid at all cost. Drifts and has crummy rx
> TS-430S
Nice compact rig. Owned one when they were new and used it for a few years. RX was a bit tinny but that is my opinion. The rig is a fairly well put together unit. Not bad for a used rig if the price is right. Has 2 VFO's and a couple of memories, add a PS and your good to go. Likes resonant antennas
> TS-530 SP
Not bad, solid after warm up. Nice used rig for around $250
> TS-690S with Tuner
No experience

> TS-830
> TS-830S
Would recommend this rig. This was top of the line for many years. I still have one and the rx is very good, low noise floor and sensitive. It does have tube finals but that is a small trade off for superb audio and 120 watts tx and hot rx. Can be had on the used market for $350 - $400 in great condition.

[Non-text portions of this message have been removed]

1566. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 04:13:15 UTC
From: Dale Cole
Topic: 1561 Message: 1566

Had 830-S, VFO-230, and SM220 as a station for years. Rate the 830 very high. Only problem was you need the external vfo to work split. The RIT only gives you +/- 2.5 kc to play with. Receiver is very hot especially if a cw filter is installed. Great rig! Only reason for giving it up is I wanted auto tune which I got with my TS570.
Dale H. Cole K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 04/29/04 19:06:24
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Any Gotchas?

I have had TS-520 and the 599 Twins for several years. Have been looking at some of the rigs with digital readout on EBay. Does anyone know of any problems or gotchas with the following Kenwood rigs?
TS-130S
TS-430S
TS-530 SP
TS-690S with Tuner
TS-830
TS-830S

Thanks
Don

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1567. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 10:01:49 UTC
From: Norm Fusaro
Topic: 1561 Message: 1567

Dale,
I agree on the fact that you need the external VFO, which I have. But my TS-830 is a second(or 3rd, 4th) that I like to fool around with so split is not an issue. My main station is FT-1000MP & QRO Tech amp. Would you not rate the RX on the 830 better than the TS-570?
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: Dale Cole
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, April 30, 2004 12:13 AM
Subject: Re: [TS-520_820_530_830] Any Gotchas?

Had 830-S, VFO-230, and SM220 as a station for years. Rate the 830 very high. Only problem was you need the external vfo to work split. The RIT only gives you +/- 2.5 kc to play with. Receiver is very hot especially if a cw filter is installed. Great rig! Only reason for giving it up is I wanted auto tune which I got with my TS570.
Dale H. Cole K9TTT

[Non-text portions of this message have been removed]

1568. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 13:29:49 UTC
From: Dale Cole
Topic: 1561 Message: 1568

Yes Norm.....the receiver in the 830 is the best I have ever heard. I am completely disappointed in the 570 receive compared to the 830, although is was the best I could afford at the time to get the AT feature. Would like to someday assemble the complete 830 line as a second station.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 04/30/04 06:28:34
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Any Gotchas?

Dale,
I agree on the fact that you need the external VFO, which I have. But my TS-830 is a second(or 3rd, 4th) that I like to fool around with so split is not an issue. My main station is FT-1000MP & QRO Tech amp. Would you not rate the RX on the 830 better than the TS-570?
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: Dale Cole
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, April 30, 2004 12:13 AM
Subject: Re: [TS-520_820_530_830] Any Gotchas?

Had 830-S, VFO-230, and SM220 as a station for years. Rate the 830 very high. Only problem was you need the external vfo to work split. The RIT only gives you +/- 2.5 kc to play with. Receiver is very hot especially
if
a cw filter is installed. Great rig! Only reason for giving it up is I wanted auto tune which I got with my TS570.
Dale H. Cole K9TTT

[Non-text portions of this message have been removed]

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1569. Re: [TS-520_820_530_830] Any Gotchas?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 13:54:03 UTC
From: Paul Manuel
Topic: 1561 Message: 1569

--- Dale Cole <k9ttt@...> wrote:
> Yes Norm.....the receiver in the 830 is the best I have ever heard. I
> am completely disappointed in the 570 receive compared to the 830,
>although is was the best I could afford at the time to get the AT
>feature. Would like to someday assemble the complete 830 line as a
>second station.

My humble opinion (and a lot of other people's) is that you could have done much better going with a used 850 than a 570, unless you have an aversion to used gear. Superb receive, fast and wide-ranging tuner, and selling for about $700.
73,
Paul K4PDM

_____
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1570. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-04-30 14:26:48 UTC
From: Bill Evans
Topic: 1570 Message: 1570

TS-690S is a great rig. Have used one for over ten years with absolutley no problems. Has ability to implement various filters in BOTH IFs, like the TS-850 and the autotune (no 160M) accessory is great to have. Worked over 25 countries on 6M with it - barefoot and 3 element beam. Has most of the TS-850 features, but is not as good a receiver - as should be expected. The 850 is hard to beat .. period! 6M is a real blast and well deserves its "magic band" descriptor.

Have very high respect for the TS-830 and consider it to be the best of all the "hybrid" rigs. Great receiver and a step up on the 820, 520, 530 series.

TS-690 is definitely a large step up from the TS-430 in the solid state group. 430 has keyboard and other problems which are fixable - and are described at locations on the net.

Bill Evans VE4UD

1571. TS-520 vfo plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-02 05:37:05 UTC
From: wohtex
Topic: 1571 Message: 1571

finally got around to looking at my recently aquired TS-520, inside is fairly clean, blew the dust out and cleaned the switches. I am missing the vfo plug and have ordered one, however would like to know how the socket is numbered for determining location of pins 8 and 9. is it clockwise or counter clockwise from the gap in the socket? also for getting a replacement set of tubes is there a recommended parts place and what should I expect to pay? hope to get this old rig on the air soon.

Bill N5CCQ

1572. vfo drift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-02 06:23:47 UTC
From: John Blake
Topic: 1571 Message: 1572

Hi all, have been monitoring this list for a while but this is my first posting.
I have a TS530s with an AT230 tuner, in case your interested, all seems to be going fine.
The only problem I have is a rather large amount of VFO drift after switch on which will settle down after several hours. In fact after switch on you can tap the top of the set and get a jump op 2-3 100 hz and the side tone on CW is all over the show as well.
I have left the set on for several days now (leaving the heaters off) and is as steady as a rock now. When not using the set for normal TX/RX work it records weather faxes onto my PC, so it needs to be on most times anyway.
On some cold mornings when turned on from cold the display would read 14.000 (on 20 metres) for some time until warmed up, and no amount of knob twiddling would change this.
This display would change for different bands, but would be locked down the bottom of the band.
I guess this isn't so much of a problem now the rig is left on, but it may be a symptom of something greater.
Anybody have any ideas.
-- John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296
Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

1573. Re: [TS-520_820_530_830] TS-520 vfo plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-02 14:40:53 UTC
From: Bill K0ZL
Topic: 1571 Message: 1573

From outside the socket, count counterclockwise.

From the wiring side, inside the set, it's clockwise
from the key.

--- wohtex <wh1944@...> wrote:
> finally got around to looking at my recently aquired
> TS-520, inside is
> fairly clean, blew the dust out and cleaned the
> switches. I am missing
> the vfo plug and have ordered one, however would
> like to know how the
> socket is numbered for determining location of pins
> 8 and 9. is it
> clockwise or counter clockwise from the gap in the
> socket? also for
> getting a replacement set of tubes is there a
> recommended parts place
> and what should I expect to pay? hope to get this
> old rig on the air
> soon.
>
> Bill N5CCQ
>
>

=====

"If in doubt, MODIFY" --k0zl

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1574. Re: [TS-520_820_530_830] vfo drift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-02 14:49:23 UTC
From: Bill K0ZL
Topic: 1571 Message: 1574

John your VFO most likely needs a good cleaning.
There are several posts on this in the archives; if
you cannot find them let us know.

On the PLL/counter display, could be just alignment
issue of the VCO loop (the counter is actually
displaying a "tracking" signal developed by the VCO
from the VFO signal), or based on the temp issues it
could be a bad solder joint around the low voltage
regulator.

Also, check the bandswitch coupling, the white or
brown plastic piece on the bandswitch shaft, just
inside the PA enclosure. If there are cracks around
the setscrew holes, it will need to be replaced. This
can cause the bandswitch to index improperly, and
cause all sorts of problems.
Bill

--- John Blake <vk6jrb@...> wrote:
>
> Hi all, have been monitoring this list for a while
> but this is my first
> posting.
> I have a TS530s with an AT230 tuner, in case your
> interested, all seems to
> be going fine.
> The only problem I have is a rather large amount of
> VFO drift after switch
> on which will settle down after several hours. In
> fact after switch on you
> can tap the top of the set and get a jump op 2-3 100
> hz and the side tone
> on CW is all over the show as well.
> I have left the set on for several days now (
> leaving the heaters off) and
> is as steady as a rock now. When not using the set
> for normal TX/RX work it
> records weather faxes onto my PC, so it needs to be
> on most times anyway.
> On some cold mornings when turned on from cold the
> display would read
> 14.000 (on 20 metres) for some time until warmed up,
> and no amount of knob
> twiddling would change this.
> This display would change for different bands, but

> would be locked down the
> bottom of the band.
> I guess this isn't so much of a problem now the rig
> is left on, but it may
> be a symptom of something greater.
> Anybody have any ideas.
> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> vk6jrb@...
> 0429 674296
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> http://www.opera.com/m2/
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> Yahoo! Groups Links
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> TS-520_820_530_830-unsubscribe@yahoogroups.com
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"If in doubt, MODIFY" --k0zl

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1575. Re: TS-520 vfo plug

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-02 17:16:56 UTC
From: wohtex
Topic: 1571 Message: 1575

thanks for the info.

Bill, N5CCQ

1576. Re: [TS-520_820_530_830] vfo drift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-03 09:20:26 UTC
From: John Blake
Topic: 1571 Message: 1576

Thanks Bill, I will check all those things you have listed.

John

On Sun, 2 May 2004 07:49:23 -0700 (PDT), Bill K0ZL <coorsbill@...>
wrote:

> John your VFO most likely needs a good cleaning. There are several posts
> on this in the archives; if
> you cannot find them let us know.
>
> On the PLL/counter display, could be just alignment
> issue of the VCO loop (the counter is actually
> displaying a "tracking" signal developed by the VCO
> from the VFO signal), or based on the temp issues it
> could be a bad solder joint around the low voltage
> regulator.
>
> Also, check the bandswitch coupling, the white or
> brown plastic piece on the bandswitch shaft, just
> inside the PA enclosure. If there are cracks around
> the setscrew holes, it will need to be replaced. This
> can cause the bandswitch to index improperly, and
> cause all sorts of problems.
> Bill
>
> --- John Blake <vk6jrb@...> wrote:
>>
>> Hi all, have been monitoring this list for a while
>> but this is my first posting.
>> I have a TS530s with an AT230 tuner, in case your
>> interested, all seems to be going fine.
>> The only problem I have is a rather large amount of
>> VFO drift after switch on which will settle down after several hours. In
>> fact after switch on you can tap the top of the set and get a jump op 2-
>> 3 100
>> hz and the side tone on CW is all over the show as well.
>> I have left the set on for several days now (
>> leaving the heaters off) and is as steady as a rock now. When not using
>> the set
>> for normal TX/RX work it records weather faxes onto my PC, so it needs
>> to be
>> on most times anyway. On some cold mornings when turned on from cold the
>> display would read 14.000 (on 20 metres) for some time until warmed up,
>> and no amount of knob twiddling would change this.
>> This display would change for different bands, but

>> would be locked down the bottom of the band.
>> I guess this isn't so much of a problem now the rig
>> is left on, but it may be a symptom of something greater.
>> Anybody have any ideas.
>> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> vk6jrb@...
>> 0429 674296
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>> http://www.opera.com/m2/
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>> http://groups.yahoo.com/group/TS-520_820_530_830/
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>> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> =====
>
> "If in doubt, MODIFY" --k0zl
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--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

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1577. MC-30S w/TS-530 Series Xcvr's

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 15:58:33 UTC
From: kzerokav
Topic: 1577 Message: 1577

Hi,

Has anyone had any experience using the Lo Impedance MC-30S
with the 530 series transceivers? It is listed as an option along
with the MC-35S (Hi impedance)and others. I'm currently using the
MC-50 but I like a fist mic now and then.

Tks for any replies.

Van,
K0KAV

1578. TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 02:14:53 UTC
From: ka8fan
Topic: 1578 Message: 1578

Hello,

Having owned a TS-520 since 1980, it only seemed fitting that I volunteer to repair one that a friend bought from our radio club. It has been used over the years primarily for Field Day, and has worked well. Last year, however, the rig did not work on 80 meters (rx or tx). After I got it on the bench, I found that it also does not work on 15.

I started going through the alignment procedure and quickly found that I could not get any output on those bands from the hetrodyne oscillator. The tuning slugs turned just fine (sometimes they freeze inside the sleeve, and then crumble when too much force is applied. I checked the board's solder connections ok, and cleaned and verified the bandswitch.

Is it safe to conclude that the crystals for these particular bands have gone bad (do crystals go bad?)? If so, does anybody know of a good source?

I thank you all in advance for your helpful advice.

73,

Eric KA8FAN

1579. Runaway Freq Counter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-04 14:21:48 UTC
From: chrishosman
Topic: 1579 Message: 1579

Lately when I turn on my 820, the freq counter starts counting in the 1 MHz region and rapidly counts up to the freq setting on the dial. Is this an indicator that a tube is going bad? I'm also experiencing a problem where I takes quite a long warm up period before I can tune the radio to a reasonable SWR.

Thanks.

-Chris <><
KC4F (formerly KG4YEX)

1580. TS-820s and I Don't Want to Brag But.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 20:50:58 UTC
From: k2wh_bill
Topic: 1580 Message: 1580

I just received - Get this --- A brand new in the box Kenwood TS-820s. This rig was never put on the air and I just can't believe I got it. Story on it, buyer received unit, died, widow put it in the closet for 30 years. From it's condition, I truly beleive it. Spotless, and shiny metal even the tubes, no dirt - nothing. Powered right up except for the SG switch in the back which gave me a heart attack at first when I had no idling current.

Original box, warranty card, everthing else. The tubes, the internals, everything, not a speck of dust, dirt, scratches etc.

$ 500.00 got it. Now, what do I do with the other 3 820s?

K2WH

1581. Check out the Images

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 20:57:08 UTC
From: k2wh_bill
Topic: 1581 Message: 1581

Go to Photos section, click on K2WH and look at the pictures.

K2WH

1582. Re: [TS-520_820_530_830] TS-820s and I Don't Want to Brag But.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 22:19:40 UTC
From: JJ
Topic: 1580 Message: 1582

I can make room for one between my 520s and 700sp....

73,
Jon
KD5SFA
----- Original Message -----
From: "k2wh_bill" <k2wh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, May 05, 2004 3:50 PM
Subject: [TS-520_820_530_830] TS-820s and I Don't Want to Brag
But.....

> I just received - Get this --- A brand new in the box Kenwood TS-
> 820s. This rig was never put on the air and I just can't believe I
> got it. Story on it, buyer received unit, died, widow put it in the
> closet for 30 years. From it's condition, I truly beleive it.
> Spotless, and shiny metal even the tubes, no dirt - nothing. Powered
> right up except for the SG switch in the back which gave me a heart
> attack at first when I had no idling current.
>
> Original box, warranty card, everthing else. The tubes, the
> internals, everything, not a speck of dust, dirt, scratches etc.
>
> $ 500.00 got it. Now, what do I do with the other 3 820s?
>
> K2WH
>
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Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.659 / Virus Database: 423 - Release Date: 5/2/2004

1583. Re: [TS-520_820_530_830] Check out the Images

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-05 22:17:02 UTC
From: Norm Fusaro
Topic: 1581 Message: 1583

Sounds and looks like quite a find, Bill. Trying to figure out the time line but My guess is that she killed him for getting another radio and then stashed the evidence. :-)
73,
Norm, W3IZ
www.w3iz.com

[Non-text portions of this message have been removed]

1584. Re: [TS-520_820_530_830] TS-820s and I Don't Want to Brag But.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-06 01:56:36 UTC
From: G Bay
Topic: 1580 Message: 1584

I HATE YOU!!
;-)

Gary wb3dsj

k2wh_bill <k2wh@...> wrote:
I just received - Get this --- A brand new in the box Kenwood TS-820s. This rig was never put on the air and I just can't believe I got it. Story on it, buyer received unit, died, widow put it in the closet for 30 years. From it's condition, I truly beleive it. Spotless, and shiny metal even the tubes, no dirt - nothing. Powered right up except for the SG switch in the back which gave me a heart attack at first when I had no idling current.

Original box, warranty card, everthing else. The tubes, the internals, everything, not a speck of dust, dirt, scratches etc.

$ 500.00 got it. Now, what do I do with the other 3 820s?

K2WH

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[Non-text portions of this message have been removed]

1585. Re: [TS-520_820_530_830] TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-06 12:53:48 UTC
From: Bill K0ZL
Topic: 1578 Message: 1585

Does it receive normally?

b

--- ka8fan <ka8fan@...> wrote:
> Hello,
>
> Having owned a TS-520 since 1980, it only seemed
> fitting that I
> volunteer to repair one that a friend bought from
> our radio club. It
> has been used over the years primarily for Field
> Day, and has worked
> well. Last year, however, the rig did not work on 80
> meters (rx or
> tx). After I got it on the bench, I found that it
> also does not work
> on 15.
>
> I started going through the alignment procedure and
> quickly found
> that I could not get any output on those bands from
> the hetrodyne
> oscillator. The tuning slugs turned just fine
> (sometimes they freeze
> inside the sleeve, and then crumble when too much
> force is applied.
> I checked the board's solder connections ok, and
> cleaned and
> verified the bandswitch.
>
> Is it safe to conclude that the crystals for these
> particular bands
> have gone bad (do crystals go bad?)? If so, does
> anybody know of a
> good source?
>
> I thank you all in advance for your helpful advice.
>
> 73,
>
> Eric KA8FAN
>
>
>

>

=====

"If in doubt, MODIFY" --k0zl

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1586. Re: [TS-520_820_530_830] TS-820s and I Don't Want to Brag But.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-06 12:58:48 UTC
From: Bill K0ZL
Topic: 1580 Message: 1586

Help a beginner get started... give one away! hi...

(not me, I love my 850. Bet there's someone else out
there that can't afford a rig...)

b

--- k2wh_bill <k2wh@...> wrote:
> I just received - Get this --- A brand new in the
> box Kenwood TS-
> 820s. This rig was never put on the air and I just
> can't believe I
> got it. Story on it, buyer received unit, died,
> widow put it in the
> closet for 30 years. From it's condition, I truly
> beleive it.
> Spotless, and shiny metal even the tubes, no dirt -
> nothing. Powered
> right up except for the SG switch in the back which
> gave me a heart
> attack at first when I had no idling current.
>
> Original box, warranty card, everthing else. The
> tubes, the
> internals, everything, not a speck of dust, dirt,
> scratches etc.
>
> $ 500.00 got it. Now, what do I do with the other 3
> 820s?
>
> K2WH
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1587. Re: [TS-520_820_530_830] Digest Number 391

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-06 15:50:33 UTC
From: james27613@att.net
Topic: 1587 Message: 1587

hi Eric,

Take a look inside and verify the nylon gears are not slipping on
the shafts. Sometimes they get stress cracks and slip.

Then give the bandswitches a good cleaning with Deoxit, just a small
drop is all you need on the contact. Avoid any fluid on the wafers.
The Deoxit is also good on the tube pins.

You can also use the deoxit on the pots and all switches, makes them
smooth and gets rid of the pop and scratch noise.

A few drops of light oil for the cooling fan bearing is a good idea too.

Could be the previous owner(s) only worked some of the bands.

73 james ke4drn

> From: "ka8fan" <ka8fan@...>
> Subject: TS-520 Dead on 80 & 15 meters
>
> Hello,
>
> Having owned a TS-520 since 1980, it only seemed fitting that I
> volunteer to repair one that a friend bought from our radio club. It
> has been used over the years primarily for Field Day, and has worked
> well. Last year, however, the rig did not work on 80 meters (rx or
> tx). After I got it on the bench, I found that it also does not work
> on 15.
>
> I started going through the alignment procedure and quickly found
> that I could not get any output on those bands from the hetrodyne
> oscillator. The tuning slugs turned just fine (sometimes they freeze
> inside the sleeve, and then crumble when too much force is applied.
> I checked the board's solder connections ok, and cleaned and
> verified the bandswitch.
>
> Is it safe to conclude that the crystals for these particular bands
> have gone bad (do crystals go bad?)? If so, does anybody know of a
> good source?
>
> I thank you all in advance for your helpful advice.
>
> 73,
>
> Eric KA8FAN

1588. Re: [TS-520_820_530_830] TS-820s and I Don't Want to Brag But.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-06 21:50:16 UTC
From: bunny-dawg
Topic: 1580 Message: 1588

I'll take one to experiment with.
Robert
VE3 something or other

--- Bill K0ZL <coorsbill@...> wrote:
> Help a beginner get started... give one away! hi...
>
> (not me, I love my 850. Bet there's someone else
> out
> there that can't afford a rig...)
>
> b
>
>
> --- k2wh_bill <k2wh@...> wrote:
> > I just received - Get this --- A brand new in the
> > box Kenwood TS-
> > 820s. This rig was never put on the air and I
> just
> > can't believe I
> > got it. Story on it, buyer received unit, died,
> > widow put it in the
> > closet for 30 years. From it's condition, I truly
> > beleive it.
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> > right up except for the SG switch in the back
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> > $ 500.00 got it. Now, what do I do with the other
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> > 820s?
> >
> > K2WH
> >
> >

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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1589. Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-07 02:32:47 UTC
From: ka8fan
Topic: 1578 Message: 1589

The radio does not receive or transmit on 80 and 15 meters. It transmits and receives fine on 40, 20, and all of the 10-meter ranges. It receives ok on WWV.

Eric

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Does it receive normally?
>
> b
>
> --- ka8fan <ka8fan@y...> wrote:
> > Hello,
> >
> > Having owned a TS-520 since 1980, it only seemed fitting that I
> > volunteer to repair one that a friend bought from our radio club. It
> > has been used over the years primarily for Field Day, and has worked
> > well. Last year, however, the rig did not work on 80 meters (rx or
> > tx). After I got it on the bench, I found that it also does not work
> > on 15.
> >
> > I started going through the alignment procedure and quickly found
> > that I could not get any output on those bands from the hetrodyne
> > oscillator. The tuning slugs turned just fine (sometimes they freeze
> > inside the sleeve, and then crumble when too much force is applied.
> > I checked the board's solder connections ok, and cleaned and
> > verified the bandswitch.
> >
> > Is it safe to conclude that the crystals for these particular bands
> > have gone bad (do crystals go bad?)? If so, does anybody know of a
> > good source?
> >

> > I thank you all in advance for your helpful advice.
> >
> > 73,
> >
> > Eric KA8FAN
> >
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> =====
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> "If in doubt, MODIFY" --k0zl
>
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1590. Re: [TS-520_820_530_830] Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-07 12:28:23 UTC
From: Bill K0ZL
Topic: 1578 Message: 1590

Yep that will be a bad band crystal or oscillator. I
would change the osc. transistor first; that sometimes
wakes them up. Xtals are expensive, 20-25.00 each.

b

--- ka8fan <ka8fan@...> wrote:
> The radio does not receive or transmit on 80 and 15
> meters. It
> transmits and receives fine on 40, 20, and all of
> the 10-meter
> ranges. It receives ok on WWV.
>
> Eric
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Does it receive normally?
> >
> > b
> >
> > --- ka8fan <ka8fan@y...> wrote:
> > > Hello,
> > >
> > > Having owned a TS-520 since 1980, it only seemed
> > > fitting that I
> > > volunteer to repair one that a friend bought
> from
> > > our radio club. It
> > > has been used over the years primarily for Field
> > > Day, and has worked
> > > well. Last year, however, the rig did not work
> on 80
> > > meters (rx or
> > > tx). After I got it on the bench, I found that
> it
> > > also does not work
> > > on 15.
> > >
> > > I started going through the alignment procedure
> and
> > > quickly found
> > > that I could not get any output on those bands
> from

> > > the hetrodyne
> > > oscillator. The tuning slugs turned just fine
> > > (sometimes they freeze
> > > inside the sleeve, and then crumble when too
> much
> > > force is applied.
> > > I checked the board's solder connections ok, and
> > > cleaned and
> > > verified the bandswitch.
> > >
> > > Is it safe to conclude that the crystals for
> these
> > > particular bands
> > > have gone bad (do crystals go bad?)? If so, does
> > > anybody know of a
> > > good source?
> > >
> > > I thank you all in advance for your helpful
> advice.
> > >
> > > 73,
> > >
> > > Eric KA8FAN
> > >
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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"If in doubt, MODIFY" --k0zl

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1591. TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-07 22:27:14 UTC
From: ft920yaesu1997
Topic: 1591 Message: 1591

I cant believe anyone doesnt have a TS 530S owners manual and
service manual on file?
I need both for my outstanding TS 530s
If I obtain a copy of it I would certainly post it for others.
We all have to help each other

Thanks
Scott

1592. Re: [TS-520_820_530_830] TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-07 22:35:25 UTC
From: Keith V
Topic: 1591 Message: 1592

They are available from www.manualman.com and are excellent digital
reproductions at a reasonable price. That's where I got mine.

Van,
K0KAV

----- Original Message -----
From: "ft920yaesu1997" <ft920yaesu1997@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, May 07, 2004 5:27 PM
Subject: [TS-520_820_530_830] TS 530s Manual Needed

> I cant believe anyone doesnt have a TS 530S owners manual and
> service manual on file?
> I need both for my outstanding TS 530s
> If I obtain a copy of it I would certainly post it for others.
> We all have to help each other
>
> Thanks
> Scott
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> Yahoo! Groups Links
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1593. Re: [TS-520_820_530_830] TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 01:01:14 UTC
From: bunny-dawg
Topic: 1591 Message: 1593

Scott email me off list i might be able to assist you
with that.
Robert
VE3 something or other

--- Keith V <k0kav@...> wrote:
> They are available from www.manualman.com and are
> excellent digital
> reproductions at a reasonable price. That's where I
> got mine.
>
> Van,
> K0KAV
>
> ----- Original Message -----
> From: "ft920yaesu1997" <ft920yaesu1997@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Friday, May 07, 2004 5:27 PM
> Subject: [TS-520_820_530_830] TS 530s Manual Needed
>
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> > Thanks
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> > Yahoo! Groups Links
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1594. Re: [TS-520_820_530_830] Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 01:20:12 UTC
From: Eric Webner
Topic: 1578 Message: 1594

I assume the transistor you suggested I replace first is Q1 on the RF board; Q2 is simply a buffer amp, isn't it?

Eric
KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Yep that will be a bad band crystal or oscillator. I
would change the osc. transistor first; that sometimes
wakes them up. Xtals are expensive, 20-25.00 each.

b

--- ka8fan <ka8fan@...> wrote:
> The radio does not receive or transmit on 80 and 15
> meters. It
> transmits and receives fine on 40, 20, and all of
> the 10-meter
> ranges. It receives ok on WWV.
>
> Eric
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > Does it receive normally?
> >
> > b
> >
> > --- ka8fan <ka8fan@y...> wrote:
> > > Hello,
> > >
> > > Having owned a TS-520 since 1980, it only seemed
> > > fitting that I
> > > volunteer to repair one that a friend bought
> from
> > > our radio club. It
> > > has been used over the years primarily for Field
> > > Day, and has worked
> > > well. Last year, however, the rig did not work
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> > > meters (rx or
> > > tx). After I got it on the bench, I found that
> it
> > > also does not work
> > > on 15.

> > >
> > > I started going through the alignment procedure
> and
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> > > Eric KA8FAN
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"If in doubt, MODIFY" --k0zl

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

1595. Re: [TS-520_820_530_830] Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 02:59:52 UTC
From: Bill K0ZL
Topic: 1578 Message: 1595

Q6 if we are dealing with a TS-520S... its a fet.
2SK19 but a 2SK192 will also work.

b

--- Eric Webner <ka8fan@...> wrote:
> I assume the transistor you suggested I replace
> first is Q1 on the RF board; Q2 is simply a buffer
> amp, isn't it?
>
> Eric
> KA8FAN
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Yep that will be a bad band crystal or oscillator. I
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>
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> --- ka8fan <ka8fan@...> wrote:
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> > Eric
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> >
> > <coorsbill@y...> wrote:
> > > Does it receive normally?
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> > > --- ka8fan <ka8fan@y...> wrote:
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> > > =====
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> > > "If in doubt, MODIFY" --k0zl
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> [Non-text portions of this message have been
> removed]
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1596. Re: [TS-520_820_530_830] Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 03:01:03 UTC
From: Bill K0ZL
Topic: 1578 Message: 1596

In the TS-520 (not S) it is Q1, correct.

b
--- Eric Webner <ka8fan@...> wrote:
> I assume the transistor you suggested I replace
> first is Q1 on the RF board; Q2 is simply a buffer
> amp, isn't it?
>
> Eric
> KA8FAN
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Yep that will be a bad band crystal or oscillator. I
> would change the osc. transistor first; that
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> wakes them up. Xtals are expensive, 20-25.00 each.
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>
> --- ka8fan <ka8fan@...> wrote:
> > The radio does not receive or transmit on 80 and
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> > Eric
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> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> >
> > <coorsbill@y...> wrote:
> > > Does it receive normally?
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> > > > 73,
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> > > > Eric KA8FAN
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> > >
> > > "If in doubt, MODIFY" --k0zl
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> > > Need a tech? See our website
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1597. Re: [TS-520_820_530_830] Re: TS-520 Dead on 80 & 15 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 03:02:15 UTC
From: Bill K0ZL
Topic: 1578 Message: 1597

Also change C26, 10pF disk ceramic. Cheap one from rat
shack assortment should work fine.

b

--- Eric Webner <ka8fan@...> wrote:
> I assume the transistor you suggested I replace
> first is Q1 on the RF board; Q2 is simply a buffer
> amp, isn't it?
>
> Eric
> KA8FAN
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Yep that will be a bad band crystal or oscillator. I
> would change the osc. transistor first; that
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> wakes them up. Xtals are expensive, 20-25.00 each.
>
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>
> --- ka8fan <ka8fan@...> wrote:
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> > Eric
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> >
> > <coorsbill@y...> wrote:
> > > Does it receive normally?
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> > >
> > > --- ka8fan <ka8fan@y...> wrote:
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> > > >
> > > > Having owned a TS-520 since 1980, it only
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> > > > 73,
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> > >
> > > "If in doubt, MODIFY" --k0zl
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> > > Need a tech? See our website
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1598. Re: TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 14:59:15 UTC
From: ft920yaesu1997
Topic: 1591 Message: 1598

i emailed you at your arrl address
is that ok?
thanks
Scott

--- In TS-520_820_530_830@yahoogroups.com, bunny-dawg
<edheenan@y...> wrote:
> Scott email me off list i might be able to assist you
> with that.
> Robert
> VE3 something or other
>
> --- Keith V <k0kav@a...> wrote:
> > They are available from www.manualman.com and are
> > excellent digital
> > reproductions at a reasonable price. That's where I
> > got mine.
> >
> > Van,
> > K0KAV
> >
> > ----- Original Message -----
> > From: "ft920yaesu1997" <ft920yaesu1997@y...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Friday, May 07, 2004 5:27 PM
> > Subject: [TS-520_820_530_830] TS 530s Manual Needed
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> > > Thanks
> > > Scott
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1599. Re: TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 14:58:51 UTC
From: ft920yaesu1997
Topic: 1591 Message: 1599

i emailed you at your arrl address
is that ok?
thanks
Scott

--- In TS-520_820_530_830@yahoogroups.com, bunny-dawg
<edheenan@y...> wrote:
> Scott email me off list i might be able to assist you
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> Robert
> VE3 something or other
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> --- Keith V <k0kav@a...> wrote:
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> > manual and
> > > service manual on file?
> > > I need both for my outstanding TS 530s
> > > If I obtain a copy of it I would certainly post it
> > for others.
> > > We all have to help each other
> > >
> > > Thanks
> > > Scott
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1600. Difference between 530S and 530SP?????

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 19:37:29 UTC
From: ft920yaesu1997
Topic: 1600 Message: 1600

Whats the diff between the 530S and the 530SP???
thanks
Scott

1601. Re: [TS-520_820_530_830] Difference between 530S and 530SP?????

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 19:52:23 UTC
From: Norm Fusaro
Topic: 1600 Message: 1601

I believe the S had 160m and the SE did not.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: ft920yaesu1997
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, May 08, 2004 3:37 PM
Subject: [TS-520_820_530_830] Difference between 530S and 530SP?????

Whats the diff between the 530S and the 530SP???
thanks
Scott

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a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1602. Re: [TS-520_820_530_830] Difference between 530S and 530SP?????

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 20:50:15 UTC
From: Keith V
Topic: 1600 Message: 1602

They both have 160m. The SP has a variable notch where the RF Gain is, on
the 530S. There may well be other differences.

Van,
K0KAV

----- Original Message -----
From: "Norm Fusaro" <w3iz@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, May 08, 2004 2:52 PM
Subject: Re: [TS-520_820_530_830] Difference between 530S and 530SP?????

> I believe the S had 160m and the SE did not.
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
> From: ft920yaesu1997
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, May 08, 2004 3:37 PM
> Subject: [TS-520_820_530_830] Difference between 530S and 530SP?????
>
>
> Whats the diff between the 530S and the 530SP???
> thanks
> Scott
>

1603. New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 05:18:08 UTC
From: Keith Hanks
Topic: 133 Message: 1603

Hello all,
I am a new owner of an old TS-520SE and a new general class licence, and have been reading the postings with quite a lot of interest. I am not ready to ask all of my questions yet but I am trying to figure out how to tune the radio up. I can recieve signals from strong stations, the responses often get lost in noise that I hear on all bands and in all settings of my MFJ 949E tuner. I am using a HY Gain AV 18VS vertical antenna with a base loading coil and not as much grounding as I need (I suffer from boulders in the soil, and will probably end up installing counterpoise wires although the side yard I have it in is kind of small for the length of wire that I will need). I went to a large parking lot and tried out a 135 foot long wire all band dipole this afternoon (no grounding at all), still lots of noise.

I only get to play with it a few minutes at a time, and am not proficient at using it yet. I am sure that I will be coming back with how to and what does it mean kinds of questions.

Keith

1604. Re: Difference between 530S and 530SP?????

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 05:23:32 UTC
From: Nigel
Topic: 1600 Message: 1604

--- In TS-520_820_530_830@yahoogroups.com, "ft920yaesu1997" <ft920yaesu1997@y...> wrote:
> Whats the diff between the 530S and the 530SP???
> thanks
> Scott
I do not know about the 530s but the 530sp has the WRAC bands fitted and the manual states that it's out put is 220w pep ssb and 180w cw. For some reason the only bands i can get 180w out on are 18m and 12m most of the other bands it is 100 w.as another reply stated it has an if shift control. All the best from Nigel M0dbo

1605. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 11:48:58 UTC
From: Norm Fusaro
Topic: 133 Message: 1605

Hi Keith.
Welcome and congratulations on the upgrade. As a new ham the TS-520 should provide you with hours of operating pleasure. You should ahve no problem working DX, ragchewing or even checking into traffic nets with it. The most importan feature of any radio is it's antenna. The vertical that you have will work well for you but it does need ground radials. They do not have to be "tuned" or cut to a specific length but more of them is better than less. Of course if you can have a lot of long radials that is best but even if you only have 30 ft in witch to lay them you want to get at least 25 or 30 of them oput there all the same length. More short wires are better than a few long wires. All radials should be attached to a common poit at the base of the antenna and to the braid of the coax. An old stop sign works well. The purpose of the ground radials if for RF ground and this provides a return path for the current. The ground rod is for electrical (lightning) ground and will discharge static build up on the radiator. Also, if your yard has a metal fence, attach a ground radial(s) from the base to the fence then the fence acts as a couterpoise.
The radio needs to be grounded at the shack. Shack grounding is very important for safety and prevents RF interference (RFI). I'm not 100% familiar with the antenna you are using but I believe that you tune it by tapping the coils at the base. This is better than using your tuner in the shack. Try disconnecting the tuner inside. The TS-520 uses a Pi network in it's final stage and should be able to tune into various loads so having another network imediately following doesn't make much sense. Adjust the feedpoint of the antenna for best resonance.
Keep looking at your manual and follow the tune up procedures and you should be OK. Don't be afraid to ask any question here, no matter how insignificant you may think it is. You will only get good advice and you won't get flamed for asking. That's what these groups are for. Good luck and hope to catch you on the air. BTW what is your call?
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: Keith Hanks
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, May 09, 2004 1:18 AM
Subject: [TS-520_820_530_830] New Member

Hello all,
I am a new owner of an old TS-520SE and a new general class licence,
and have been reading the postings with quite a lot of interest. I am
not ready to ask all of my questions yet but I am trying to figure out
how to tune the radio up. I can recieve signals from strong stations,
the responses often get lost in noise that I hear on all bands and in
all settings of my MFJ 949E tuner. I am using a HY Gain AV 18VS
vertical antenna with a base loading coil and not as much grounding as
I need (I suffer from boulders in the soil, and will probably end up
installing counterpoise wires although the side yard I have it in is
kind of small for the length of wire that I will need). I went to a

large parking lot and tried out a 135 foot long wire all band dipole
this afternoon (no grounding at all), still lots of noise.

I only get to play with it a few minutes at a time, and am not
proficient at using it yet. I am sure that I will be coming back with
how to and what does it mean kinds of questions.

Keith

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b.. To unsubscribe from this group, send an email to:
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c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1606. Re: New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 15:03:09 UTC
From: Bob M
Topic: 133 Message: 1606

Welcome Keith,

I to am a new call using a TS-530s Good units loverly tone.
You may hear me one day I'm From Australia.

There is a Tune Up Guide in the Files section.
it will guide you just remember to let it warm up a bit
so it will stabilise.

Have Fun Take care

Bob M
VK4HAM

--- In TS-520_820_530_830@yahoogroups.com, "Keith Hanks"
<kwhanks@e...> wrote:
> Hello all,
> I am a new owner of an old TS-520SE and a new general class
licence,
>

1607. Re: [TS-520_820_530_830] Re: TS 530s Manual Needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 15:24:33 UTC
From: bunny-dawg
Topic: 1591 Message: 1607

Not really Scott. As far as i know i don't have an
arrl address. Try bunnydawg@... it gets mostly
spam anyways so i don't mind giving it out here.
Robert
VE3 Something or other
--- ft920yaesu1997 <ft920yaesu1997@...> wrote:
> i emailed you at your arrl address
> is that ok?
> thanks
> Scott
>
>
> --- In TS-520_820_530_830@yahoogroups.com,
> bunny-dawg
> <edheenan@y...> wrote:
> > Scott email me off list i might be able to assist
> you
> > with that.
> > Robert
> > VE3 something or other
> >
> > --- Keith V <k0kav@a...> wrote:
> > > They are available from www.manualman.com and
> are
> > > excellent digital
> > > reproductions at a reasonable price. That's
> where I
> > > got mine.
> > >
> > > Van,
> > > K0KAV
> > >
> > > ----- Original Message -----
> > > From: "ft920yaesu1997" <ft920yaesu1997@y...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Friday, May 07, 2004 5:27 PM
> > > Subject: [TS-520_820_530_830] TS 530s Manual
> Needed
> > >
> > >
> > > > I cant believe anyone doesnt have a TS 530S
> owners
> > > manual and
> > > > service manual on file?
> > > > I need both for my outstanding TS 530s

> > > > If I obtain a copy of it I would certainly
> post it
> > > for others.
> > > > We all have to help each other
> > > >
> > > > Thanks
> > > > Scott
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1608. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-09 15:57:26 UTC
From: Bill K0ZL
Topic: 133 Message: 1608

If you are getting noise with an antenna connected, and then less noise with it disconnected, the receiver is probably OK. Band conditions can be bad enough to make you think the radio is not working or that you are doing something wrong. Good and bad band conditions have a 22 day cycle coinciding with solar activity (or the lack thereof). Also, if today is bad, tomorrow will not necessarily be much better; but next week will, most likely. So be patient and listen a lot, every day, and try different bands.

For instance, it could just be that this is Mother's Day, but not many sigs on 20M today and the ones that are on are very weak... no "s" meter reading with my preamp off which is rare. I am using a full-sized quad loop of wire which is about the best wire antenna for this band. Even 40 is dead, rare for this time of day on a weekend.

b

--- Keith Hanks <kwhanks@...> wrote:
> Hello all,
> I am a new owner of an old TS-520SE and a new
> general class licence,
> and have been reading the postings with quite a lot
> of interest. I am
> not ready to ask all of my questions yet but I am
> trying to figure out
> how to tune the radio up. I can recieve signals
> from strong stations,
> the responses often get lost in noise that I hear on
> all bands and in
> all settings of my MFJ 949E tuner. I am using a HY
> Gain AV 18VS
> vertical antenna with a base loading coil and not as
> much grounding as
> I need (I suffer from boulders in the soil, and will
> probably end up
> installing counterpoise wires although the side yard
> I have it in is
> kind of small for the length of wire that I will
> need). I went to a
> large parking lot and tried out a 135 foot long wire
> all band dipole
> this afternoon (no grounding at all), still lots of

> noise.
>
> I only get to play with it a few minutes at a time,
> and am not
> proficient at using it yet. I am sure that I will
> be coming back with
> how to and what does it mean kinds of questions.
>
> Keith
>
>

=====

"If in doubt, MODIFY" --k0zl

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1609. QRP for TS520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-08 20:15:41 UTC
From: othello159
Topic: 1609 Message: 1609

I recently got the TS 520SE and I am still figuring out details.
My interest is in QRP CW and while I do not object running the radio in "enhanced QRP mode", eg 160 watts, it would be nice to throttle the output down from time to time.

And I have come accross mods for this, but I wonder if turning dow the carrier does not do the same. At least my watt meter seems to indicate that I can go all the way from next to nothing to full power by turning the carrier pot.

Do I overlook something??

73 Uwe

1610. Re: [TS-520_820_530_830] QRP for TS520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-10 12:59:31 UTC
From: Bill K0ZL
Topic: 1609 Message: 1610

Nope, carrier control works fine for CW QRP.

To do SSB QRP, you will need to inject a negative
voltage from a 9 volt battery and 5K or 10K pot into
the "ALC" input in the back of the rig to "fool" it
into running lower power. Or you can play with the
tube screen voltage, using the SG switch on the back;
that is slightly more hazardous and doesn't guarantee
<5 watts on all bands.

bill

--- othello159 <othello159@...> wrote:
> I recently got the TS 520SE and I am still figuring
> out details.
> My interest is in QRP CW and while I do not object
> running the radio in "enhanced QRP mode", eg 160
> watts, it would be nice to throttle the output down
> from time to time.
>
> And I have come accross mods for this, but I wonder
> if turning dow the carrier does not do the same. At
> least my watt meter seems to indicate that I can go
> all the way from next to nothing to full power by
> turning the carrier pot.
>
> Do I overlook something??
>
> 73 Uwe
>
>
>

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"If in doubt, MODIFY" --k0zl

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1611. Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-11 13:14:37 UTC
From: othello159
Topic: 1611 Message: 1611

The tune up procedure in my user manual for the TS520 is fine for tuning up the radio but it does not aid much in understanding what is happening.

For rexample the purpose of the drive control???

And especially the remark that when you adjust the drive control for maximum deflection and don't get any, adjust the CAR control until you get a deflection.

Leaves me baffled.

Whatever the drive control is good for, if during use you change the CAR control, for example to reduce or increase power, you also changed the Drive control.

And indeed sometimes I check my adjustements during operation and the ALC meter is jammed against the right end because during operation I touched the car control.

It would be nice if someone could shed some light on the interconnection and the meaning of these controls.

Cheers

Uwe

1612. Re: [TS-520_820_530_830] Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-11 23:09:09 UTC
From: Bill K0ZL
Topic: 1611 Message: 1612

DRIVE is actually the driver plate, and RF AMP and
MIXER tuning. It needs to be centered for max output
at whatever CAR level you are running, and left there.

CAR raises and lowers the CW output of the rig, only.
It does not affect SSB output.

If CAR is set too high, rotating DRIVE will make
little difference in output until you get far off
resonance with DRIVE; then things drop off. This is
because of the ALC action that levels the output.

If you go to the groups FILES section there should be
a tune up guide there.

bill

--- othello159 <othello159@...> wrote:
> The tune up procedure in my user manual for the
> TS520 is fine for tuning up the radio but it does
> not aid much in understanding what is happening.
>
> For rexample the purpose of the drive control???
>
> And especially the remark that when you adjust the
> drive control for maximum deflection and don't get
> any, adjust the CAR control until you get a
> deflection.
>
> Leaves me baffled.
>
> Whatever the drive control is good for, if during
> use you change the CAR control, for example to
> reduce or increase power, you also changed the Drive
> control.
>
> And indeed sometimes I check my adjustements during
> operation and the ALC meter is jammed against the
> right end because during operation I touched the car
> control.
>
> It would be nice if someone could shed some light on
> the interconnection and the meaning of these
> controls.
>
> Cheers

>
> Uwe
>
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>

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"If in doubt, MODIFY" --k0zl

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1613. Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-11 23:44:47 UTC
From: othello159
Topic: 1611 Message: 1613

Yes, I have seen the tune up guide, it seems pretty much the same stuff as whats written in my users manual.

In there it does not say to turn Drive to the center and leave it alone, so now I am torn, do I believe your version or Kenwoods version.

The tune up instruction do not promote understanding, they promote a tuned up radio.

Now I am more baffled than ever since you introduced a second way besides what was recommended in the Kenwoood user manual by saying that the Drive control needs to be centered and left there.

Confused in Maine

Uwe

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> DRIVE is actually the driver plate, and RF AMP and
> MIXER tuning. It needs to be centered for max output
> at whatever CAR level you are running, and left there.
>
> CAR raises and lowers the CW output of the rig, only.
> It does not affect SSB output.
>
> If CAR is set too high, rotating DRIVE will make
> little difference in output until you get far off
> resonance with DRIVE; then things drop off. This is
> because of the ALC action that levels the output.
>
> If you go to the groups FILES section there should be
> a tune up guide there.
>
> bill
>
> --- othello159 <othello159@h...> wrote:
> > The tune up procedure in my user manual for the
> > TS520 is fine for tuning up the radio but it does
> > not aid much in understanding what is happening.
> >
> > For rexample the purpose of the drive control???
> >
> > And especially the remark that when you adjust the
> > drive control for maximum deflection and don't get
> > any, adjust the CAR control until you get a
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> > Leaves me baffled.
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> > Whatever the drive control is good for, if during
> > use you change the CAR control, for example to
> > reduce or increase power, you also changed the Drive
> > control.
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> > And indeed sometimes I check my adjustements during
> > operation and the ALC meter is jammed against the
> > right end because during operation I touched the car
> > control.
> >
> > It would be nice if someone could shed some light on
> > the interconnection and the meaning of these
> > controls.
> >
> > Cheers
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> > Uwe
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> "If in doubt, MODIFY" --k0zl
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1614. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 00:19:09 UTC
From: Keith V
Topic: 1611 Message: 1614

I don't see where Bill said anything about turning the drive to center and leaving it there, Uwe.

Re-read what he said. The drive control is three dimensional, peaking the driver plate, rf amp and and mixer tuning at whatever carrier level you're running, then leave the control [drive] there.

All the hybrid rigs tune up procedure is about or exactly the same.

Van,
K0KAV

----- Original Message -----
From: "othello159" <othello159@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, May 11, 2004 6:44 PM
Subject: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

> Yes, I have seen the tune up guide, it seems pretty much the same stuff as whats written in my users manual.
>
> In there it does not say to turn Drive to the center and leave it alone, so now I am torn, do I believe your version or Kenwoods version.
>
>
> The tune up instruction do not promote understanding, they promote a tuned up radio.
>
> Now I am more baffled than ever since you introduced a second way besides what was recommended in the Kenwoood user manual by saying that the Drive control needs to be centered and left there.
>
> Confused in Maine
>
> Uwe
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> > DRIVE is actually the driver plate, and RF AMP and
> > MIXER tuning. It needs to be centered for max output
> > at whatever CAR level you are running, and left there.
> >
> > CAR raises and lowers the CW output of the rig, only.

> > It does not affect SSB output.
> >
> > If CAR is set too high, rotating DRIVE will make
> > little difference in output until you get far off
> > resonance with DRIVE; then things drop off. This is
> > because of the ALC action that levels the output.
> >
> > If you go to the groups FILES section there should be
> > a tune up guide there.
> >
> > bill
> >
> > --- othello159 <othello159@h...> wrote:
> > > The tune up procedure in my user manual for the
> > > TS520 is fine for tuning up the radio but it does
> > > not aid much in understanding what is happening.
> > >
> > > For rexample the purpose of the drive control???
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> > > And especially the remark that when you adjust the
> > > drive control for maximum deflection and don't get
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> > > Whatever the drive control is good for, if during
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> > > reduce or increase power, you also changed the Drive
> > > control.
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> > > And indeed sometimes I check my adjustements during
> > > operation and the ALC meter is jammed against the
> > > right end because during operation I touched the car
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> > > It would be nice if someone could shed some light on
> > > the interconnection and the meaning of these
> > > controls.
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> > > Cheers
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> > > Uwe
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> > "If in doubt, MODIFY" --k0zl
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1615. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 02:19:36 UTC
From: Bill K0ZL
Topic: 1611 Message: 1615

not centered physically, as in 12 o'clock... i meant
centered electrically, at resonance.

b

--- othello159 <othello159@...> wrote:
> Yes, I have seen the tune up guide, it seems pretty
> much the same stuff as whats written in my users
> manual.
>
> In there it does not say to turn Drive to the center
> and leave it alone, so now I am torn, do I believe
> your version or Kenwoods version.
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>
> Uwe
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > DRIVE is actually the driver plate, and RF AMP and
> > MIXER tuning. It needs to be centered for max
> output
> > at whatever CAR level you are running, and left
> there.
> >
> > CAR raises and lowers the CW output of the rig,
> only.
> > It does not affect SSB output.
> >
> > If CAR is set too high, rotating DRIVE will make
> > little difference in output until you get far off
> > resonance with DRIVE; then things drop off. This

> is
> > because of the ALC action that levels the output.
> >
> > If you go to the groups FILES section there should
> be
> > a tune up guide there.
> >
> > bill
> >
> > --- othello159 <othello159@h...> wrote:
> > > The tune up procedure in my user manual for the
> > > TS520 is fine for tuning up the radio but it
> does
> > > not aid much in understanding what is happening.
> > >
> > > For rexample the purpose of the drive control???
> > >
> > > And especially the remark that when you adjust
> the
> > > drive control for maximum deflection and don't
> get
> > > any, adjust the CAR control until you get a
> > > deflection.
> > >
> > > Leaves me baffled.
> > >
> > > Whatever the drive control is good for, if
> during
> > > use you change the CAR control, for example to
> > > reduce or increase power, you also changed the
> Drive
> > > control.
> > >
> > > And indeed sometimes I check my adjustements
> during
> > > operation and the ALC meter is jammed against
> the
> > > right end because during operation I touched the
> car
> > > control.
> > >
> > > It would be nice if someone could shed some
> light on
> > > the interconnection and the meaning of these
> > > controls.
> > >
> > > Cheers
> > >
> > > Uwe
> > >

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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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"If in doubt, MODIFY" --k0zl

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1616. Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 04:03:07 UTC
From: othello159
Topic: 1611 Message: 1616

Ok, Bills second message clears it up I think, when he says centered he means resonance and I assume that that is indicated at a maximum meter deflection.
So we got that misunderstanding out of the way.

I just checked my rig and indeed, if I change the power level (CAR control) I have to adjust the drive control afterwards for max. meter deflection.

The usable CAR range is surprisingly small, at a CAR setting of less than two out of ten the meter is already maxed out, any increase in CAR level and the Drive control gets the meter to go off scale.

At that setting my radio puts out a surprising amount of power, the meter indicates around 800 volts at a bit over 240 mA, my wattmeter indicates a bit over 200 watt but that probably means it needs to be calibrated.
Do these settings sound reasonable?

If you think I sound suspicious of this rig you are right, I am to some degree since the meter in its S-meter capacitiy goes off the scale very easily even after going through the calibration procedures indicated in my manual and in comparison to an Icom R75 communication receiver-something feels out of whack.

73 Uwe

--- In TS-520_820_530_830@yahoogroups.com, "Keith V" <k0kav@a...> wrote:
> I don't see where Bill said anything about turning the drive to center and
> leaving it there, Uwe.
>
> Re-read what he said. The drive control is three dimensional, peaking the
> driver plate, rf amp and and mixer tuning at whatever carrier level you're
> running, then leave the control [drive] there.
>
> All the hybrid rigs tune up procedure is about or exactly the same.
>
> Van,
> K0KAV
>
> ----- Original Message -----
> From: "othello159" <othello159@h...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Tuesday, May 11, 2004 6:44 PM
> Subject: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520
>
>
> > Yes, I have seen the tune up guide, it seems pretty much the same stuff as
> whats written in my users manual.
> >

> > In there it does not say to turn Drive to the center and leave it alone,
> so now I am torn, do I believe your version or Kenwoods version.
> >
> >
> > The tune up instruction do not promote understanding, they promote a tuned
> up radio.
> >
> > Now I am more baffled than ever since you introduced a second way besides
> what was recommended in the Kenwoood user manual by saying that the Drive
> control needs to be centered and left there.
> >
> > Confused in Maine
> >
> > Uwe
> >
> >
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
> wrote:
> > > DRIVE is actually the driver plate, and RF AMP and
> > > MIXER tuning. It needs to be centered for max output
> > > at whatever CAR level you are running, and left there.
> > >
> > > CAR raises and lowers the CW output of the rig, only.
> > > It does not affect SSB output.
> > >
> > > If CAR is set too high, rotating DRIVE will make
> > > little difference in output until you get far off
> > > resonance with DRIVE; then things drop off. This is
> > > because of the ALC action that levels the output.
> > >
> > > If you go to the groups FILES section there should be
> > > a tune up guide there.
> > >
> > > bill
> > >
> > > --- othello159 <othello159@h...> wrote:
> > > > The tune up procedure in my user manual for the
> > > > TS520 is fine for tuning up the radio but it does
> > > > not aid much in understanding what is happening.
> > > >
> > > > For rexample the purpose of the drive control???
> > > >
> > > > And especially the remark that when you adjust the
> > > > drive control for maximum deflection and don't get
> > > > any, adjust the CAR control until you get a
> > > > deflection.
> > > >
> > > > Leaves me baffled.

> > > >
> > > > Whatever the drive control is good for, if during
> > > > use you change the CAR control, for example to
> > > > reduce or increase power, you also changed the Drive
> > > > control.
> > > >
> > > > And indeed sometimes I check my adjustements during
> > > > operation and the ALC meter is jammed against the
> > > > right end because during operation I touched the car
> > > > control.
> > > >
> > > > It would be nice if someone could shed some light on
> > > > the interconnection and the meaning of these
> > > > controls.
> > > >
> > > > Cheers
> > > >
> > > > Uwe
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> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website www.amateur-repairs.com
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> > Yahoo! Groups Links
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1617. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 13:44:14 UTC
From: Paul Manuel
Topic: 1611 Message: 1617

--- othello159 <othello159@...> wrote:

> At that setting my radio puts out a surprising amount of power, the
> meter indicates around 800 volts at a bit over 240 mA, my wattmeter
> indicates a bit over 200 watt but that probably means it needs to be
> calibrated.
> Do these settings sound reasonable?

Are you sure your SWR is low? A high SWR will make your wattmeter read
high, and could make the ALC meter read out-of-whack (I think.)
73,
Paul K4PDM

_____
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http://movies.yahoo.com/showtimes/movie?mid=1808405861

1618. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 16:09:57 UTC
From: Bill K0ZL
Topic: 1611 Message: 1618

You are putting in 184 watts and getting 200 out?
That's great! :)

b

--- othello159 <othello159@...> wrote:
> ...
>
> At that setting my radio puts out a surprising
> amount of power, the meter indicates around 800
> volts at a bit over 240 mA, my wattmeter indicates a
> bit over 200 watt but that probably means it needs
> to be calibrated.
> Do these settings sound reasonable?
>

=====

"If in doubt, MODIFY" --k0zl

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1619. Plate current

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-12 22:46:44 UTC
From: Grant McDuling
Topic: 1619 Message: 1619

G'day fellas.

I have been following the Uwe's thread with interest and this raises another question in my mind. After I tune my 520 se, I understand my meter should read 240mA plate current, but the best I can wring out of mine is around 180mA. Does this mean I simply need to retune or tune better, or is there something more sinister lurking behing the reading like tubes that are nearing the end.

Regards

Grant

VK4JAZ

Author, writer and telegraphist.
Check out The Business OF Freelance Journalism at www.zeus-publications.com and Successful Journalism at www.kbs.com.au/education/latest.asp

---
Find local movie times and trailers on Yahoo! Movies.

[Non-text portions of this message have been removed]

1620. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 05:49:56 UTC
From: bunny-dawg
Topic: 1611 Message: 1620

Bill that must be the new math i've been hearing
about. Can't wait to go to walmart and pick up some
red nail polish too. At least now i have an excuse.
hi hi
Robert
VE3 something or other
P.S. Better add me to the prayer list too

--- Bill K0ZL <coorsbill@...> wrote:
> You are putting in 184 watts and getting 200 out?
> That's great! :)
>
> b
>
> --- othello159 <othello159@...> wrote:
> > ...
> >
> > At that setting my radio puts out a surprising
> > amount of power, the meter indicates around 800
> > volts at a bit over 240 mA, my wattmeter indicates
> a
> > bit over 200 watt but that probably means it needs
> > to be calibrated.
> > Do these settings sound reasonable?
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> _____________________________________
> Do you Yahoo!?
> Yahoo! Movies - Buy advance tickets for 'Shrek 2'
>
http://movies.yahoo.com/showtimes/movie?mid=1808405861

>
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
Take care
Robert

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http://movies.yahoo.com/showtimes/movie?mid=1808405861

1621. Re: [TS-520_820_530_830] Plate current

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 11:10:24 UTC
From: Bill K0ZL
Topic: 1619 Message: 1621

Grant, increase your loading control until you see
about a ten percent "dip" in plate current as you tune
through resonance. If you are not seeing 240mA or
more, yet have sufficient ALC to indicate grid
overdrive is occurring, you either have a weak set of
final tubes or the plate voltage has fallen off due to
bad plate filter caps. Check your plate voltage if
you have that on the front meter; should be minimum
800 vdc at max output.

You may also have low line voltage.

How much power are you getting into a dummy load at
max output, using a known-good external meter?

b

--- Grant McDuling <grantmcduling@...> wrote:
>
>
> G'day fellas.
>
>
>
> I have been following the Uwe's thread with interest
> and this raises another question in my mind. After I
> tune my 520 se, I understand my meter should read
> 240mA plate current, but the best I can wring out of
> mine is around 180mA. Does this mean I simply need
> to retune or tune better, or is there something more
> sinister lurking behing the reading like tubes that
> are nearing the end.
>
>
>
> Regards
>
> Grant
>
> VK4JAZ
>
>
>
> Author, writer and telegraphist.
> Check out The Business OF Freelance Journalism at
> www.zeus-publications.com and Successful Journalism

> at www.kbs.com.au/education/latest.asp
>
>
>
>
> ---------------------------------
> Find local movie times and trailers on Yahoo!
> Movies.
>
>
> [Non-text portions of this message have been
> removed]
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>

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"If in doubt, MODIFY" --k0zl

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1622. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 11:17:47 UTC
From: Bill K0ZL
Topic: 1611 Message: 1622

Will do, hi!

Bill

--- bunny-dawg <edheenan@...> wrote:
> Bill that must be the new math i've been hearing
> about. Can't wait to go to walmart and pick up some
> red nail polish too. At least now i have an excuse.
> hi hi
> Robert
> VE3 something or other
> P.S. Better add me to the prayer list too
...

=====

"If in doubt, MODIFY" --k0zl

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1623. Frequency Counter in 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 13:00:36 UTC
From: k2wh_bill
Topic: 1623 Message: 1623

Anyone providing repairs to the frequency counter module in the 820s?

K2WH

1624. 820s Repairs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 13:22:10 UTC
From: k2wh_bill
Topic: 1624 Message: 1624

As I understand it, one of the most common problems with old 820s's is the digital readout not working. I have read many fixes on this and one of them says to remove the counter unit and clean all the ground connection points on the PC board and clean all the pins and plug connectors. Did this on a recent acquistion with the same result, no display. The rig does receive nicely and puts out about 120 watts.

Since the cleaning did not help, I have enough 820's to have spare parts. I swapped the counter unit with another unit and the display came on. Great stuff! However, the "7" on 40 meter was a "9" and on 20 meters, the "4" was a "9" etc. with the other bands. Shortly thereafter, the oddball digits suddenly went correct without any further action by me so I let it sit for a while in receive.

Shortly thereafter, the display went dark again and no amount of connector pushing/pulling/shaking was able to get the display back on. Are their any other related items, parts etc. that I should look at to solve this obviously intermittent problem? I have (4) 820's all with varying amounts of display problems.

K2WH

1625. Re: Frequency Counter in 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 13:48:39 UTC
From: pchapman9202003
Topic: 1623 Message: 1625

have you performed the...what looks like a low tech cleaning
procedure as yet?

1626. Re: 820s Repairs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 13:50:55 UTC
From: pchapman9202003
Topic: 1624 Message: 1626

Sorry spoke too soon, see you have already been down that road

1627. Re: 820s Repairs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-13 14:05:42 UTC
From: pchapman9202003
Topic: 1624 Message: 1627

here is a reference for a new unit and tube driver for it

http://www.mods.dk/view.php?ArticleId=776

http://www.aade.com/Applic~1.htm

1628. TS-830 IF-SHIFT noise ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-14 18:13:27 UTC
From: chuck allen
Topic: 1628 Message: 1628

Hello,

I appreciate the group's efforts to provide information and advice.
I recently acquired a TS-830 and am still learning about it.

I have noticed the IF SHIFT knob, when turned counter-clock-wise
from center position, creates some noise resembling a swirling wind.
It actually gets loud enough to make the morse code difficult to
receive and appears to be on all bands. When the IF SHIFT is turned
clock-wise, the noise level actually decreases from that in the
center position. Is this normal?

thanks
chuck allen af4xk

1629. Re: [TS-520_820_530_830] TS-830 IF-SHIFT noise ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-14 20:31:22 UTC
From: Bill K0ZL
Topic: 1628 Message: 1629

Funny, that's exactly what DSP sounds like, and we pay
extra for that.

The IF shift will only work well when dual filters are
installed. I think these were options in the 830, to
have the second filters in (ssb and CW narrow), no?

b

--- chuck allen <callen1155@...> wrote:
>
> Hello,
>
> I appreciate the group's efforts to provide
> information and advice.
> I recently acquired a TS-830 and am still learning
> about it.
>
> I have noticed the IF SHIFT knob, when turned
> counter-clock-wise
> from center position, creates some noise resembling
> a swirling wind.
> It actually gets loud enough to make the morse code
> difficult to
> receive and appears to be on all bands. When the IF
> SHIFT is turned
> clock-wise, the noise level actually decreases from
> that in the
> center position. Is this normal?
>
>
> thanks
> chuck allen af4xk
>
>

=====

"If in doubt, MODIFY" --k0zl

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1630. Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-15 13:17:25 UTC
From: othello159
Topic: 1611 Message: 1630

Some of the questions regarding the tune up of my TS520SE come from confusion caused by the instructions in the manual.

For example, one of the steps is to dip the plate using the plate control.
The next step is to do the final adjustment using the Plate and the Load control and of course I am thinking that now I am changing the setting of the plate control I did in the last step, so what is the reasoning of that 'dip the plate' step??

Also, if you do want to use the rig for QRP you adjust the CAR control so low, that you do not get any deflection in the step where you adjust the Drive control for maximum deflection. The manual suggests in that situation to increase the CAR level, but that is not QRP anymore.
So how do you adjust Drive in that situation??

73 Uwe

1631. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-15 15:13:24 UTC
From: Bill K0ZL
Topic: 1611 Message: 1631

The idea is to get the plate circuit in resonance
before going for max output; this ensures less chance
of damaging the tubes with excessive off-resonance
current when tuning up.

The plate tuning at max output will be slightly
different than the first step when dipping the plate
current; this is ok.

To run QRP CW, simply tune for max smoke as for
sideband, then just reduce the carrier control for the
desired output. You will need an external wattmeter of
known accuracy to know your QRP output for sure.

bill

--- othello159 <othello159@...> wrote:
> Some of the questions regarding the tune up of my
> TS520SE come from confusion caused by the
> instructions in the manual.
>
> For example, one of the steps is to dip the plate
> using the plate control.
> The next step is to do the final adjustment using
> the Plate and the Load control and of course I am
> thinking that now I am changing the setting of the
> plate control I did in the last step, so what is the
> reasoning of that 'dip the plate' step??
>
>
> Also, if you do want to use the rig for QRP you
> adjust the CAR control so low, that you do not get
> any deflection in the step where you adjust the
> Drive control for maximum deflection. The manual
> suggests in that situation to increase the CAR
> level, but that is not QRP anymore.
> So how do you adjust Drive in that situation??
>
> 73 Uwe
>
>

=====

"If in doubt, MODIFY" --k0zl

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1632. Re:

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-16 00:15:45 UTC
From: james27613@att.net
Topic: 1632 Message: 1632

hi,

In the file section on yahoo is an external circuit
to let you use the 520/820/530/830 in qrp.
It is just a 9 v battery and a small pot. That sends
-6v to the alc circuit via the aux socket on the back of the radio.

In cw you can use carrier but for ssb the above will produce
a clean signal unlike turning down the mic gain when in ssb mode to go qrp.

For tuneup, just remember Drive-Plate-Load
left to right on the front panel.

73 james ke4drn

> Date: Sat, 15 May 2004 13:17:25 -0000
> From: "othello159" <othello159@...>
> Subject: Re: Drive, CAR controls on TS 520
>
> Some of the questions regarding the tune up of my TS520SE come from confusion
> caused by the instructions in the manual.
>
> For example, one of the steps is to dip the plate using the plate control.
> The next step is to do the final adjustment using the Plate and the Load control
> and of course I am thinking that now I am changing the setting of the plate
> control I did in the last step, so what is the reasoning of that 'dip the plate'
> step??
>
>
> Also, if you do want to use the rig for QRP you adjust the CAR control so low,
> that you do not get any deflection in the step where you adjust the Drive
> control for maximum deflection. The manual suggests in that situation to
> increase the CAR level, but that is not QRP anymore.
> So how do you adjust Drive in that situation??
>
> 73 Uwe

1633. 520 s mobile

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-16 00:33:06 UTC
From: georgesimmans
Topic: 1633 Message: 1633

I might as some stage wish to take the 520 s mobile with a dc connection to the car battery.

The manual makes mention of a dc to dc converter.. I have never seen such a beast.

Is this neccessary to go mobile

if yes then is it possible to make one?

thanks in advance

george

1634. Re: [TS-520_820_530_830] 520 s mobile

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-16 12:17:18 UTC
From: Bill K0ZL
Topic: 1633 Message: 1634

Hi George.. the rigs that come with the largish TO-3 looking transistors on the back apron have the DC-DC converter built in. All that's needed is a cable wired for DC to go in place of the AC power cord.

I ran an FT-101EE in my Caddy Hearse for a couple of years that way. 100 amp alternator and a large ground plane really helped.

bill

--- georgesimmans <simmans@...> wrote:
> I might as some stage wish to take the 520 s mobile
> with a dc
> connection to the car battery.
>
> The manual makes mention of a dc to dc converter.. I
> have never seen
> such a beast.
>
> Is this neccessary to go mobile
>
> if yes then is it possible to make one?
>
> thanks in advance
>
> george
>
>

=====

"If in doubt, MODIFY" --k0zl

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1635. Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-17 13:23:16 UTC
From: othello159
Topic: 1611 Message: 1635

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> The idea is to get the plate circuit in resonance
> before going for max output; this ensures less chance
> of damaging the tubes with excessive off-resonance
> current when tuning up.
>
> The plate tuning at max output will be slightly
> different than the first step when dipping the plate
> current; this is ok.

Thanks Bill, this makes sense to me, so the 'dip the plate' adjustement is a pre-adjustment at reduced power which gets you in the ballpark before you give it full smoke.

Understanding the world one bit at a time...

73 Uwe

1636. Re: TS-830 IF-SHIFT noise ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-17 15:10:09 UTC
From: chuck allen
Topic: 1628 Message: 1636

You are correct Bill. This radio appears to be stock with only the one standard filter. I will probably post another question later about advise on getting the optional cw filter when I am ready to purchase one.

thanks
chuck allen

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Funny, that's exactly what DSP sounds like, and we pay
> extra for that.
>
> The IF shift will only work well when dual filters are
> installed. I think these were options in the 830, to
> have the second filters in (ssb and CW narrow), no?
>
> b
>
> --- chuck allen <callen1155@n...> wrote:
> >
> > Hello,
> >
> > I appreciate the group's efforts to provide
> > information and advice.
> > I recently acquired a TS-830 and am still learning
> > about it.
> >
> > I have noticed the IF SHIFT knob, when turned
> > counter-clock-wise
> > from center position, creates some noise resembling
> > a swirling wind.
> > It actually gets loud enough to make the morse code
> > difficult to
> > receive and appears to be on all bands. When the IF
> > SHIFT is turned
> > clock-wise, the noise level actually decreases from
> > that in the
> > center position. Is this normal?
> >
> >
> > thanks
> > chuck allen af4xk
> >
> >

>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> _____
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1637. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-17 18:00:36 UTC
From: Bill K0ZL
Topic: 1611 Message: 1637

There you go!

Tube ckts are fun

b

--- othello159 <othello159@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > The idea is to get the plate circuit in resonance
> > before going for max output; this ensures less
> chance
> > of damaging the tubes with excessive off-resonance
> > current when tuning up.
> >
> > The plate tuning at max output will be slightly
> > different than the first step when dipping the
> plate
> > current; this is ok.
>
>
> Thanks Bill, this makes sense to me, so the 'dip the
> plate' adjustement is a pre-adjustment at reduced
> power which gets you in the ballpark before you give
> it full smoke.
>
> Understanding the world one bit at a time...
>
> 73 Uwe
>
>

=====

"If in doubt, MODIFY" --k0zl

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1638. Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-17 21:31:18 UTC
From: othello159
Topic: 1611 Message: 1638

Bill, what is ckts???

Uwe

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> There you go!
>
> Tube ckts are fun
>
> b
>
> --- othello159 <othello159@h...> wrote:
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > <coorsbill@y...> wrote:
> > > The idea is to get the plate circuit in resonance
> > > before going for max output; this ensures less
> > chance
> > > of damaging the tubes with excessive off-resonance
> > > current when tuning up.
> > >
> > > The plate tuning at max output will be slightly
> > > different than the first step when dipping the
> > plate
> > > current; this is ok.
> > >
> > >
> > > Thanks Bill, this makes sense to me, so the 'dip the
> > > plate' adjustement is a pre-adjustment at reduced
> > > power which gets you in the ballpark before you give
> > > it full smoke.
> > >
> > > Understanding the world one bit at a time...
> > >
> > > 73 Uwe
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
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> _____
> Do you Yahoo!?
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1639. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-17 22:37:57 UTC
From: Keith V
Topic: 1611 Message: 1639

Circuits.

Van

----- Original Message -----
From: "othello159" <othello159@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, May 17, 2004 4:31 PM
Subject: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

> Bill, what is ckts???
>
> Uwe
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> > There you go!
> >
> > Tube ckts are fun
> >
> > b
> >
> > --- othello159 <othello159@h...> wrote:
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > > <coorsbill@y...> wrote:
> > > > The idea is to get the plate circuit in resonance
> > > > before going for max output; this ensures less
> > > chance
> > > > of damaging the tubes with excessive off-resonance
> > > > current when tuning up.
> > > >
> > > > The plate tuning at max output will be slightly
> > > > different than the first step when dipping the
> > > plate
> > > > current; this is ok.
> > >
> > >
> > > Thanks Bill, this makes sense to me, so the 'dip the
> > > plate' adjustement is a pre-adjustment at reduced
> > > power which gets you in the ballpark before you give
> > > it full smoke.
> > >
> > > Understanding the world one bit at a time...
> > >

> > > 73 Uwe
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
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> > _____
> > Do you Yahoo!?
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1640. Re: [TS-520_820_530_830] Re: Drive, CAR controls on TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-18 13:04:46 UTC
From: Bill K0ZL
Topic: 1611 Message: 1640

Circuits, abbrev.

--- othello159 <othello159@...> wrote:
> Bill, what is ckts???
>
> Uwe
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > There you go!
> >
> > Tube ckts are fun
> >
> > b
> >
> > --- othello159 <othello159@h...> wrote:
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > > <coorsbill@y...> wrote:
> > > > The idea is to get the plate circuit in
> resonance
> > > > before going for max output; this ensures less
> > > > chance
> > > > of damaging the tubes with excessive
> off-resonance
> > > > current when tuning up.
> > > >
> > > > The plate tuning at max output will be
> slightly
> > > > different than the first step when dipping the
> > > > plate
> > > > current; this is ok.
> > >
> > >
> > > Thanks Bill, this makes sense to me, so the 'dip
> the
> > > plate' adjustement is a pre-adjustment at
> reduced
> > > power which gets you in the ballpark before you
> give
> > > it full smoke.
> > >
> > > Understanding the world one bit at a time...

> > >
> > > 73 Uwe
> > >
> > >
> > >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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> > _____
> > Do you Yahoo!?
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"If in doubt, MODIFY" --k0zl

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1641. TS-830S signal every 10khz???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-18 19:16:47 UTC
From: Ron Maret
Topic: 1641 Message: 1641

I just received a used TS-830S this afternoon. No antenna up yet but I put a 25 foot piece of wire out the window and connected it to my tuner. I hear a few QSO's on 20M but I also hear a signal about every 10khz. I think I have something turned on that should be off. Any help on this is appreciate. I have been inactive for the past 10 but always maintained some interest. Pulled my 4BTV and TH3JR beam out of the garage and man these need some serious work :-)
Thanks for your help - Ron/WB8WSS

1642. Re: [TS-520_820_530_830] TS-830S signal every 10khz???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-19 14:39:37 UTC
From: Dale Cole
Topic: 1641 Message: 1642

Ron;
Check down by your mic gain control and see if the calibrate marker is on...
..I think that will solve your problem.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 05/19/04 09:52:46
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-830S signal every 10khz???

I just received a used TS-830S this afternoon. No antenna up yet but
I put a 25 foot piece of wire out the window and connected it to my
tuner. I hear a few QSO's on 20M but I also hear a signal about
every 10khz. I think I have something turned on that should be off.
Any help on this is appreciate. I have been inactive for the past 10
but always maintained some interest. Pulled my 4BTV and TH3JR beam
out of the garage and man these need some serious work :-)
Thanks for your help - Ron/WB8WSS

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[Non-text portions of this message have been removed]

1643. Re: [TS-520_820_530_830] TS-830S signal every 10khz???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-20 00:13:51 UTC
From: Bill K0ZL
Topic: 1641 Message: 1643

You are hearing harmonic radiation from switching
power supply, poss from computer monitor, router,
cable modem, vcr, tv or whatnot. It will get better
when you get antenna up away from the building.

b

--- Ron Maret <rmaret@...> wrote:
> I just received a used TS-830S this afternoon. No
> antenna up yet but
> I put a 25 foot piece of wire out the window and
> connected it to my
> tuner. I hear a few QSO's on 20M but I also hear a
> signal about
> every 10khz. I think I have something turned on
> that should be off.
> Any help on this is appreciate. I have been
> inactive for the past 10
> but always maintained some interest. Pulled my 4BTV
> and TH3JR beam
> out of the garage and man these need some serious
> work :-)
> Thanks for your help - Ron/WB8WSS
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1644. Re: [TS-520_820_530_830] TS-830S signal every 10khz???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-20 03:22:09 UTC
From: Eric Webner
Topic: 1641 Message: 1644

Ron,

When you get back on, you'll wonder why you waited so long. I've been without HF for the past 4 years (except for Field Day and other club activities) at my new house because the basement never got finished and I never put up a tower. Now we are getting ready to move, and I hope I do better in the next house. BTW, it'll be in W4 land!

73,

Eric

Ron Maret <rmaret@...> wrote:
I just received a used TS-830S this afternoon. No antenna up yet but
I put a 25 foot piece of wire out the window and connected it to my
tuner. I hear a few QSO's on 20M but I also hear a signal about
every 10khz. I think I have something turned on that should be off.
Any help on this is appreciate. I have been inactive for the past 10
but always maintained some interest. Pulled my 4BTV and TH3JR beam
out of the garage and man these need some serious work :-)
Thanks for your help - Ron/WB8WSS

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[Non-text portions of this message have been removed]

1645. WTB: Kenwood MC-35S Mic.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-20 23:11:08 UTC
From: kzerokav
Topic: 1645 Message: 1645

with original 4 pin connector in excellent condition. Please
contact me off list at:

k0kav@...

Tks, Van
K0KAV

1646. Re: TS-830S signal every 10khz???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-20 02:20:49 UTC
From: Ron Maret
Topic: 1641 Message: 1646

At least now I know the calibrator works <smile>. I have been off air for about 10 years. Hopefully re-learning won't go as slow as the first time around. I hope to have a 4BTV vertical up by Saturday and then tune up without seeing smoke. Thanks - Ron WB8WSS

--- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...> wrote:
> Ron;
> Check down by your mic gain control and see if the calibrate marker is on...
> ..I think that will solve your problem.
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: 05/19/04 09:52:46
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-830S signal every 10khz???
>
> I just received a used TS-830S this afternoon. No antenna up yet but
> I put a 25 foot piece of wire out the window and connected it to my
> tuner. I hear a few QSO's on 20M but I also hear a signal about
> every 10khz. I think I have something turned on that should be off.
> Any help on this is appreciate. I have been inactive for the past 10
> but always maintained some interest. Pulled my 4BTV and TH3JR beam
> out of the garage and man these need some serious work :-)
> Thanks for your help - Ron/WB8WSS
>
>
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>
> [Non-text portions of this message have been removed]

1647. TS-830S using Donner's Digital Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-20 12:09:52 UTC
From: Ron Maret
Topic: 1647 Message: 1647

I have a new (used) TS830 and have connected an interface for receiving CW, Ritty etc. One of the lines goes to the external speaker out on the back of the rig. When I make this connection it sends sound to the sound card but kills my audio of listening (monitoring). If you have a similar setup, how do you get around this? Thanks - Ron WB8WSS

1648. TS-830S with digital interface, ext speaker connection?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-21 01:27:48 UTC
From: Ron Maret
Topic: 1648 Message: 1648

I am running a Donner's digital interface with my TS830 and using the external speaker output on the rear of the rig which mutes the internal speaker. Is there another output I can use for the the audio out that is not affected by the volumn control and not mute the speaker? Thanks - Ron WB8WSS

1649. Re: [TS-520_820_530_830] TS-830S with digital interface, ext speaker connection?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-21 19:47:04 UTC
From: Bill K0ZL
Topic: 1648 Message: 1649

Phone patch out... if it's high enough level.

Check with AC voltmeter, see if vol. control affects
it

b

--- Ron Maret <rmaret@...> wrote:
> I am running a Donner's digital interface with my
> TS830 and using the
> external speaker output on the rear of the rig which
> mutes the
> internal speaker. Is there another output I can use
> for the the
> audio out that is not affected by the volumn control
> and not mute the
> speaker? Thanks - Ron WB8WSS
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1650. New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-22 01:26:14 UTC
From: AC9H
Topic: 133 Message: 1650

Hello,

I just joined the group and thought I'd drop a line to introduce myself.

My name is Ray, call is AC9H. I'm 42 years old and was introduced to amateur radio by a coworker. I took the tests last August and received my General ticket. Went back a month later and passed Extra. Got a lot of help from another friend and coworker and purchased his TS-530S.

Here is a list of my current station equipment:

Kenwood TS-530S with matching External VFO, External Speaker and Antenna Tuner. These are connected to a wire dipole that runs north-south 30' across the top of my roof then west to a couple of trees in the back yard. My lot is small in a residential neighborhood so I was limited on how I could run the wire. I use a Donner interface to run the digital modes with a IBM 760XL laptop.

I also have an Icom IC-V8000 in my Jeep, a Yaesu VX-5R for handheld fun and a Yaesu FT-8900R that I purchased at the Dayton Hamvention this month.

I plan to use the FT-8900 as a FM base for 10M, 6M, 2M and 70cm. Will use it in the Jeep on trips and when camping. (Until I can afford an ICOM 706MKIIG!)

Looking forward to participating.

Ray

1651. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-22 03:22:34 UTC
From: Bill K0ZL
Topic: 133 Message: 1651

OK Ray,

If I were you I would hold out for the TS-480 for the
mobile.. Fine rig!

Bill

--- AC9H <res009js@...> wrote:
> Hello,
>
> I just joined the group and thought I'd drop a line
> to introduce
> myself.
>
> My name is Ray, call is AC9H. I'm 42 years old and
> was introduced to
> amateur radio by a coworker. I took the tests last
> August and
> received my General ticket. Went back a month later
> and passed Extra.
> Got a lot of help from another friend and coworker
> and purchased his
> TS-530S.
>
> Here is a list of my current station equipment:
>
> Kenwood TS-530S with matching External VFO, External
> Speaker and
> Antenna Tuner. These are connected to a wire dipole
> that runs north-
> south 30' across the top of my roof then west to a
> couple of trees in
> the back yard. My lot is small in a residential
> neighborhood so I was
> limited on how I could run the wire. I use a Donner
> interface to run
> the digital modes with a IBM 760XL laptop.
>
> I also have an Icom IC-V8000 in my Jeep, a Yaesu
> VX-5R for handheld
> fun and a Yaesu FT-8900R that I purchased at the
> Dayton Hamvention
> this month.
>
> I plan to use the FT-8900 as a FM base for 10M, 6M,
> 2M and 70cm. Will

> use it in the Jeep on trips and when camping. (Until
> I can afford an
> ICOM 706MKIIG!)
>
> Looking forward to participating.
>
> Ray
>
>

=====

"If in doubt, MODIFY" --k0zl

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1652. Re: [TS-520_820_530_830] TS-830S with digital interface, ext speaker connection?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-21 21:46:08 UTC
From: Mike Lewallen
Topic: 1648 Message: 1652

Hey Ron,
When you plug in an external speaker the jack is wired to disconnect the internal speaker, so unless you want to modify the jack you won't be able to monitor using the internal speaker. I use the phone patch in and out on my rig to feed audio to my soundcard. This setup works great. You should be able to get/make a adapter to go from the 1/8 plug to the phone patch out of your rig. Another solution would be to use a T adaptor at the soundcard speaker out to feed a set of computer speakers or headset, this way you can monitor both receive and transmit audio at the soundcard. Also, I believe you can monitor with a headset as you are using the rig now. I hope I have helped!

Ron Maret <rmaret@...> wrote:
I am running a Donner's digital interface with my TS830 and using the
external speaker output on the rear of the rig which mutes the
internal speaker. Is there another output I can use for the the
audio out that is not affected by the volumn control and not mute the
speaker? Thanks - Ron WB8WSS

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[Non-text portions of this message have been removed]

1653. Re: New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-22 03:47:35 UTC
From: AC9H
Topic: 133 Message: 1653

Thanks, Bill. I'm still waiting for the guys from Dayton to call me and tell me that I won one. heh The 706 is a lot closer to my price range right now. I've spent so much on gear since August that I'm going broke! heh It is a nice rig though.

Ray

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> OK Ray,
>
> If I were you I would hold out for the TS-480 for the
> mobile.. Fine rig!
>
> Bill
>
> --- AC9H <res009js@g...> wrote:
> > Hello,
> >
> > I just joined the group and thought I'd drop a line
> > to introduce
> > myself.
> >
> > My name is Ray, call is AC9H. I'm 42 years old and
> > was introduced to
> > amateur radio by a coworker. I took the tests last
> > August and
> > received my General ticket. Went back a month later
> > and passed Extra.
> > Got a lot of help from another friend and coworker
> > and purchased his
> > TS-530S.
> >
> > Here is a list of my current station equipment:
> >
> > Kenwood TS-530S with matching External VFO, External
> > Speaker and
> > Antenna Tuner. These are connected to a wire dipole
> > that runs north-
> > south 30' across the top of my roof then west to a
> > couple of trees in
> > the back yard. My lot is small in a residential
> > neighborhood so I was
> > limited on how I could run the wire. I use a Donner
> > interface to run

> > the digital modes with a IBM 760XL laptop.
> >
> > I also have an Icom IC-V8000 in my Jeep, a Yaesu
> > VX-5R for handheld
> > fun and a Yaesu FT-8900R that I purchased at the
> > Dayton Hamvention
> > this month.
> >
> > I plan to use the FT-8900 as a FM base for 10M, 6M,
> > 2M and 70cm. Will
> > use it in the Jeep on trips and when camping. (Until
> > I can afford an
> > ICOM 706MKIIG!)
> >
> > Looking forward to participating.
> >
> > Ray
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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1654. Re: [TS-520_820_530_830] Re: New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-22 15:17:03 UTC
From: Bill K0ZL
Topic: 133 Message: 1654

706 is good rig but I won't work on 'em. Good thing
that they don't break often.

FT-1000D should be flooding the used markets when the
new rigs come out. They are a great radio and NEVER
break.

b

--- AC9H <res009js@...> wrote:
> Thanks, Bill. I'm still waiting for the guys from
> Dayton to call me
> and tell me that I won one. heh The 706 is a lot
> closer to my price
> range right now. I've spent so much on gear since
> August that I'm
> going broke! heh It is a nice rig though.
>
> Ray
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > OK Ray,
> >
> > If I were you I would hold out for the TS-480 for
> the
> > mobile.. Fine rig!
> >
> > Bill
> >
> > --- AC9H <res009js@g...> wrote:
> > > Hello,
> > >
> > > I just joined the group and thought I'd drop a
> line
> > > to introduce
> > > myself.
> > >
> > > My name is Ray, call is AC9H. I'm 42 years old
> and
> > > was introduced to
> > > amateur radio by a coworker. I took the tests
> last
> > > August and
> > > received my General ticket. Went back a month

> later
> > > and passed Extra.
> > > Got a lot of help from another friend and
> coworker
> > > and purchased his
> > > TS-530S.
> > >
> > > Here is a list of my current station equipment:
> > >
> > > Kenwood TS-530S with matching External VFO,
> External
> > > Speaker and
> > > Antenna Tuner. These are connected to a wire
> dipole
> > > that runs north-
> > > south 30' across the top of my roof then west to
> a
> > > couple of trees in
> > > the back yard. My lot is small in a residential
> > > neighborhood so I was
> > > limited on how I could run the wire. I use a
> Donner
> > > interface to run
> > > the digital modes with a IBM 760XL laptop.
> > >
> > > I also have an Icom IC-V8000 in my Jeep, a Yaesu
> > > VX-5R for handheld
> > > fun and a Yaesu FT-8900R that I purchased at the
> > > Dayton Hamvention
> > > this month.
> > >
> > > I plan to use the FT-8900 as a FM base for 10M,
> 6M,
> > > 2M and 70cm. Will
> > > use it in the Jeep on trips and when camping.
> (Until
> > > I can afford an
> > > ICOM 706MKIIG!)
> > >
> > > Looking forward to participating.
> > >
> > > Ray
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >

> > Need a tech? See our website
> www.amateur-repairs.com
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> >
> > _____
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1655. drive Cogs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 05:42:27 UTC
From: blobby12uk
Topic: 1655 Message: 1655

With reference to the ts-530/-830 etc.Looking for supply of drive
cogs .These are fitted onto the "drive control" shaft ,that via a
chain adjust three seperate capacitors.
They tend to split where the grub screw enters them.
Does any one know the part number,or has anyone got any to sell etc..
Regards
Bob/G7JHW

1656. Re: [TS-520_820_530_830] drive Cogs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 13:03:39 UTC
From: Bill K0ZL
Topic: 1655 Message: 1656

D13-0032-03 SPROCKET
$4.14 ea at Pacific Coast Parts
www.pacparts.com

bill

--- blobby12uk <g7jhw@...> wrote:
> With reference to the ts-530/-830 etc.Looking for
> supply of drive
> cogs .These are fitted onto the "drive control"
> shaft ,that via a
> chain adjust three seperate capacitors.
> They tend to split where the grub screw enters them.
> Does any one know the part number,or has anyone got
> any to sell etc..
> Regards
> Bob/G7JHW
>
>

=====

"If in doubt, MODIFY" --k0zl

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1657. TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 14:38:44 UTC
From: Ron Maret
Topic: 1657 Message: 1657

I finally got an antenna up and I am read to make my first contact. I tunned the rig and everything looks fine. After the final step of tuning I show IP approx 230ma. I am using a Kenwood MC50 mike. When I go on the air I see no movement of the ALC when calling CQ. Any comments or suggestions are greatly appreciated. Thanks - Ron/WB8WSS

1658. Re: [TS-520_820_530_830] TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 15:16:09 UTC
From: Alan Wolke
Topic: 1657 Message: 1658

Ron,

ALC indication is NOT necessary for you to have good RF output. ALC only kicks in when you have more mic gain than necessary, and the rig is adjusting the level to keep the power output under control. Ideally, your mic gain should be set so that you only see small, short duration ALC "blips", if any at all. This means you've got just the right amount of mic drive to achieve full output.

The right way to see if you are producing adequate RF is to monitor the output power, preferrably with a good peak-reading wattmeter (or better yet, a monitor scope). If you are getting close to 100Wpep, then don't worry about the fact that you don't have any ALC indication. By the way, the RF setting on the 830's meter will show average power only - so you'll probably only see ~25W indicated on SSB when running full power.

73,
Alan W2AEW

Ron Maret wrote:

> I finally got an antenna up and I am read to make my first contact.
> I tunned the rig and everything looks fine. After the final step of
> tuning I show IP approx 230ma. I am using a Kenwood MC50 mike. When I
> go on the air I see no movement of the ALC when calling CQ. Any
> comments or suggestions are greatly appreciated. Thanks - Ron/WB8WSS
>
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> Service.
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Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1659. Re: TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 15:26:59 UTC
From: Ron Maret
Topic: 1657 Message: 1659

Getting back into Ham Radio is a small bite at a time. I discovered my base for the MC-50 has a bad connection. When I use the mike by itself no problem on getting some ALC or making a contact. Thanks - Ron/WB8WSS

--- In TS-520_820_530_830@yahoogroups.com, Alan Wolke <w2aew@a...> wrote:
> Ron,
>
> ALC indication is NOT necessary for you to have good RF output. ALC
> only kicks in when you have more mic gain than necessary, and the rig is
> adjusting the level to keep the power output under control. Ideally,
> your mic gain should be set so that you only see small, short duration
> ALC "blips", if any at all. This means you've got just the right amount
> of mic drive to achieve full output.
>
> The right way to see if you are producing adequate RF is to monitor the
> output power, preferrably with a good peak-reading wattmeter (or better
> yet, a monitor scope). If you are getting close to 100Wpep, then don't
> worry about the fact that you don't have any ALC indication. By the
> way, the RF setting on the 830's meter will show average power only - so
> you'll probably only see ~25W indicated on SSB when running full power.
>
> 73,
> Alan W2AEW
>
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> > --
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> > * To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > * To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> > Service.
> >
> --
> Alan Wolke, W2AEW
> "i usta cuDn't speL enjinere, noW i ar wuN"

1660. Re: [TS-520_820_530_830] TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 15:29:54 UTC
From: Gary & Carrie
Topic: 1657 Message: 1660

Ron

Turn the mike gain up

Gary KCØNPJ

[Non-text portions of this message have been removed]

1661. Re: [TS-520_820_530_830] drive Cogs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 18:01:50 UTC
From: Bob
Topic: 1655 Message: 1661

thankyou very much.
Regards
Bob/g7jhw
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, May 23, 2004 2:03 PM
Subject: Re: [TS-520_820_530_830] drive Cogs

> D13-0032-03 SPROCKET
> $4.14 ea at Pacific Coast Parts
> www.pacparts.com
>
>
> bill
>
> --- blobby12uk <g7jhw@...> wrote:
> > With reference to the ts-530/-830 etc.Looking for
> > supply of drive
> > cogs .These are fitted onto the "drive control"
> > shaft ,that via a
> > chain adjust three seperate capacitors.
> > They tend to split where the grub screw enters them.
> > Does any one know the part number,or has anyone got
> > any to sell etc..
> > Regards
> > Bob/G7JHW
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.688 / Virus Database: 449 - Release Date: 18/05/2004

1662. Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 14:29:14 UTC
From: Stuart Hamm
Topic: 1662 Message: 1662

Greetings,

I just purchased a Kenwood TS 520SE. The transformer looks like it took a spike on the primary side. I did find a replacement from Kenwood at $116.

Does anyone know where I can pick up a used and working transformer within this group?

Thanks,

Dennis / KB8YGC

1663. Re: [TS-520_820_530_830] Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 19:40:58 UTC
From: Bill K0ZL
Topic: 1662 Message: 1663

$116 is very reasonable!

b

--- Stuart Hamm <hemi427man@...> wrote:
> Greetings,
>
> I just purchased a Kenwood TS 520SE. The transformer
> looks like it
> took a spike on the primary side. I did find a
> replacement from
> Kenwood at $116.
>
> Does anyone know where I can pick up a used and
> working transformer
> within this group?
>
> Thanks,
>
> Dennis / KB8YGC
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1664. Re: [TS-520_820_530_830] TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 19:41:41 UTC
From: Bill K0ZL
Topic: 1657 Message: 1664

230 is a little low.. you should be seeing 280 plus.

Suspect low drive due to bad driver tube or poor
alignment.

b

--- Ron Maret <rmaret@...> wrote:
> I finally got an antenna up and I am read to make my
> first contact.
> I tunned the rig and everything looks fine. After
> the final step of
> tuning I show IP approx 230ma. I am using a Kenwood
> MC50 mike. When I
> go on the air I see no movement of the ALC when
> calling CQ. Any
> comments or suggestions are greatly appreciated.
> Thanks - Ron/WB8WSS
>
>

=====

"If in doubt, MODIFY" --k0zl

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1665. RE: [TS-520_820_530_830] Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 20:36:54 UTC
From: Gary Commer
Topic: 1662 Message: 1665

I wonder if it would be more feasible to use the mobile power connection
with an external 12V power supply. The external power supply could be used
until you find something at a hamfest or such, then could be used with
other equipment that you may pick up in the future

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Stuart Hamm <hemi427man@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 5/23/2004 3:34:46 PM
> Subject: [TS-520_820_530_830] Kenwood TS-520 SE power transformer
>
> Greetings,
>
> I just purchased a Kenwood TS 520SE. The transformer looks like it
> took a spike on the primary side. I did find a replacement from
> Kenwood at $116.
>
> Does anyone know where I can pick up a used and working transformer
> within this group?
>
> Thanks,
>
> Dennis / KB8YGC
>
>
>
>
>
>
> Yahoo! Groups Links
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1666. RE: [TS-520_820_530_830] TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-23 23:46:15 UTC
From: Walter Milton
Topic: 1657 Message: 1666

All,

230 is a little low, but I get 265 from my TS-830S. The tubes are old.

Walt, KA2NJF

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Sunday, May 23, 2004 3:42 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-830S SSB operation

230 is a little low.. you should be seeing 280 plus.

Suspect low drive due to bad driver tube or poor
alignment.

b

--- Ron Maret <rmaret@...> wrote:
> I finally got an antenna up and I am read to make my
> first contact.
> I tunned the rig and everything looks fine. After
> the final step of
> tuning I show IP approx 230ma. I am using a Kenwood
> MC50 mike. When I
> go on the air I see no movement of the ALC when
> calling CQ. Any
> comments or suggestions are greatly appreciated.
> Thanks - Ron/WB8WSS
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Groups Links

1667. TS830S SignaLink Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-24 11:50:50 UTC
From: Ron Maret
Topic: 1667 Message: 1667

I am considering a SignaLink interface however it requires the PTT voltage are with in the limits of the SignaLink (15V @ 75ma). Does anyone know what the PTT voltage and current ratings are for the TS830? Yhanks - Ron/WB8WSS

1668. Re: Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-24 16:36:26 UTC
From: Dennis Adams
Topic: 1662 Message: 1668

Is there a schematic for this mod to 12volts for the 520SE?

Thanks again!

--- In TS-520_820_530_830@yahoogroups.com, "Gary Commer" <af4ld@e...>
wrote:
> I wonder if it would be more feasible to use the mobile power
connection
> with an external 12V power supply. The external power supply could
be used
> until you find something at a hamfest or such, then could be used
with
> other equipment that you may pick up in the future
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Stuart Hamm <hemi427man@y...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 5/23/2004 3:34:46 PM
> > Subject: [TS-520_820_530_830] Kenwood TS-520 SE power transformer
> >
> > Greetings,
> >
> > I just purchased a Kenwood TS 520SE. The transformer looks like
it
> > took a spike on the primary side. I did find a replacement from
> > Kenwood at $116.
> >
> > Does anyone know where I can pick up a used and working
transformer
> > within this group?
> >
> > Thanks,
> >
> > Dennis / KB8YGC
> >
> >
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> >
> > Yahoo! Groups Links

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> >

1669. Re: Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-24 16:44:25 UTC
From: Brent Baum
Topic: 1662 Message: 1669

As I understand it, the SE model is strictly an AC current, 120v, device. When Kenwood created the SE they removed everything that made the 520 and 520S operable on DC voltage. The 520S schematics will show the DC power supply layout but I don't know if there will be room in the case for the conversion. Good luck. Let us know how it goes, I also own a 520 SE.

K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "Dennis Adams" <hemi427man@y...> wrote:
> Is there a schematic for this mod to 12volts for the 520SE?
>
> Thanks again!
>
> --- In TS-520_820_530_830@yahoogroups.com, "Gary Commer" <af4ld@e...>
> wrote:
> > I wonder if it would be more feasible to use the mobile power
> connection
> > with an external 12V power supply. The external power supply could
> be used
> > until you find something at a hamfest or such, then could be used
> with
> > other equipment that you may pick up in the future
> >
> > 73 dit dit
> > de Gary AF4LD
> >
> >
> > > [Original Message]
> > > From: Stuart Hamm <hemi427man@y...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Date: 5/23/2004 3:34:46 PM
> > > Subject: [TS-520_820_530_830] Kenwood TS-520 SE power transformer
> > >
> > > Greetings,
> > >
> > > I just purchased a Kenwood TS 520SE. The transformer looks like
> it
> > > took a spike on the primary side. I did find a replacement from
> > > Kenwood at $116.
> > >

> > > Does anyone know where I can pick up a used and working
> transformer
> > > within this group?
> > >
> > > Thanks,
> > >
> > > Dennis / KB8YGC
> > >
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1670. RE: [TS-520_820_530_830] Re: Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-24 20:37:49 UTC
From: Gary Commer
Topic: 1662 Message: 1670

I did not know there was a difference. I have the earlier 520 version and
I know that there is a wiring diagram in the manual for 13.8 Volt mobile
operation. He would have to look in the manuals and see if that is the case
with the SE version.

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Brent Baum <brent.baum@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 5/24/2004 12:45:09 PM
> Subject: [TS-520_820_530_830] Re: Kenwood TS-520 SE power transformer
>
> As I understand it, the SE model is strictly an AC current, 120v,
> device. When Kenwood created the SE they removed everything that made
> the 520 and 520S operable on DC voltage. The 520S schematics will
> show the DC power supply layout but I don't know if there will be
> room in the case for the conversion. Good luck. Let us know how it
> goes, I also own a 520 SE.
>
> K7MEI
>
> --- In TS-520_820_530_830@yahoogroups.com, "Dennis Adams"
> <hemi427man@y...> wrote:
> > Is there a schematic for this mod to 12volts for the 520SE?
> >
> > Thanks again!
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "Gary Commer"
> <af4ld@e...>
> > wrote:
> > > I wonder if it would be more feasible to use the mobile power
> > connection
> > > with an external 12V power supply. The external power supply
> could
> > be used
> > > until you find something at a hamfest or such, then could be used
> > with
> > > other equipment that you may pick up in the future
> > >
> > > 73 dit dit
> > > de Gary AF4LD
> > >
> > >

> > > > [Original Message]
> > > > From: Stuart Hamm <hemi427man@y...>
> > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > Date: 5/23/2004 3:34:46 PM
> > > > Subject: [TS-520_820_530_830] Kenwood TS-520 SE power
> transformer
> > > >
> > > > Greetings,
> > > >
> > > > I just purchased a Kenwood TS 520SE. The transformer looks like
> > it
> > > > took a spike on the primary side. I did find a replacement from
> > > > Kenwood at $116.
> > > >
> > > > Does anyone know where I can pick up a used and working
> > transformer
> > > > within this group?
> > > >
> > > > Thanks,
> > > >
> > > > Dennis / KB8YGC
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1671. Re: [TS-520_820_530_830] TS830S SignaLink Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 02:37:13 UTC
From: Alan Wolke
Topic: 1667 Message: 1671

I believe the PTT on the mic connector is 12V, and less than 2mA when
when pulled to ground.

Ron Maret wrote:

> I am considering a SignaLink interface however it requires the PTT
> voltage are with in the limits of the SignaLink (15V @ 75ma). Does
> anyone know what the PTT voltage and current ratings are for the
> TS830? Yhanks - Ron/WB8WSS
>
>
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>
> * To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> Service.
>
--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1672. TS-520 been in storage

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 02:53:50 UTC
From: cb750fsuperspor@webtv.net
Topic: 1672 Message: 1672

Hi group,
You may or not remember but I`ve posted before about my ts-520 that I`ve had never got to set up (yet). Owned it since 88. I fell out of the hobby. Well for the last year or so I`ve been trying to get back in to it. I just got a new qth and I just set it up. I just got done playing around with it (just monitoring) and I noticed the vfo knob feels kinda "rusty". It`s not has smooth has it used to be. I can definitely feel the difference compared to my vfo-520. I always kept my ts in storage under the best possible conditions.
Well anyway`s is this something I should really be concerned about? I can`t help to think "yes". Keep in mind that I don`t have the skills or the know how to dig into my radio. Any suggestions of what I should do? Sorry, I`m just a little inexperienced and no elmers in my neck of the woods.
Thanks. Kyle n0mkh

1673. Re: [TS-520_820_530_830] TS830S SignaLink Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 03:12:14 UTC
From: Gary Commer
Topic: 1667 Message: 1673

The SignaLink Has an external power plug if the rig connector (mike or ACC)
does not provide the required (if I remember 12 - 15 V) voltage.

73 dit dit
de Gary AF4LD

> [Original Message]
> From: Alan Wolke <w2aew@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 5/24/2004 10:39:44 PM
> Subject: Re: [TS-520_820_530_830] TS830S SignaLink Interface
>
> I believe the PTT on the mic connector is 12V, and less than 2mA when
> when pulled to ground.
>
> Ron Maret wrote:
>
> > I am considering a SignaLink interface however it requires the PTT
> > voltage are with in the limits of the SignaLink (15V @ 75ma). Does
> > anyone know what the PTT voltage and current ratings are for the
> > TS830? Yhanks - Ron/WB8WSS
> >
> >
> >
> > Yahoo! Groups Sponsor
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> [click here]
>
> >
> > --
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> > * To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > * To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> > Service.
> >
> --
> Alan Wolke, W2AEW
> "i usta cuDn't speL enjinere, noW i ar wuN"
>

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>
>
>
>
> Yahoo! Groups Links
>
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>
>

1674. Re: [TS-520_820_530_830] TS830S SignaLink Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 03:30:38 UTC
From: Alan Wolke
Topic: 1667 Message: 1674

I just measured the PTT on my 830S - The open circuit voltage on the PTT
line is 12V. When shorted to ground, PTT current is 1.8mA.

73,
Alan W2AEW

Gary Commer wrote:

> The SignaLink Has an external power plug if the rig connector (mike
> or ACC)
> does not provide the required (if I remember 12 - 15 V) voltage.
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Alan Wolke <w2aew@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 5/24/2004 10:39:44 PM
> > Subject: Re: [TS-520_820_530_830] TS830S SignaLink Interface
> >
> > I believe the PTT on the mic connector is 12V, and less than 2mA
> when
> > when pulled to ground.
> >
> > Ron Maret wrote:
> >
> > > I am considering a SignaLink interface however it requires the
> PTT
> > > voltage are with in the limits of the SignaLink (15V @ 75ma). Does
>
> > > anyone know what the PTT voltage and current ratings are for the
> > > TS830? Yhanks - Ron/WB8WSS
> > >
> > >
> > >
> > > Yahoo! Groups Sponsor
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> >
> > >
> > >
> > > ---
> > > Yahoo! Groups Links
> > >

> > > * To visit your group on the web, go to:
> > > http://groups.yahoo.com/group/TS-520_820_530_830/
> > >
> > > * To unsubscribe from this group, send an email to:
> > > TS-520_820_530_830-unsubscribe@yahoogroups.com
> > >
> > > * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> > > Service.
> > >
> > --
> > Alan Wolke, W2AEW
> > "i usta cuDn't speL enjinere, noW i ar wuN"
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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> * To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
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> Service.
>
--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1675. Re: [TS-520_820_530_830] TS-520 been in storage

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 12:52:36 UTC
From: Bill K0ZL
Topic: 1672 Message: 1675

Get some metric allen wrenches ($8.00-$10.00 any auto
parts store, good investment) and remove the knob. Put
a drop of good old 10W-30 motor oil on the VFO shaft,
it will feel good as new.

b

--- cb750fsuperspor@... wrote:
> Hi group,
> You may or not remember but I`ve posted before about
> my ts-520 that I`ve
> had never got to set up (yet). Owned it since 88. I
> fell out of the
> hobby. Well for the last year or so I`ve been trying
> to get back in to
> it. I just got a new qth and I just set it up. I
> just got done playing
> around with it (just monitoring) and I noticed the
> vfo knob feels kinda
> "rusty". It`s not has smooth has it used to be. I
> can definitely feel
> the difference compared to my vfo-520. I always kept
> my ts in storage
> under the best possible conditions.
> Well anyway`s is this something I should really be
> concerned about? I
> can`t help to think "yes". Keep in mind that I don`t
> have the skills or
> the know how to dig into my radio. Any suggestions
> of what I should do?
> Sorry, I`m just a little inexperienced and no elmers
> in my neck of the
> woods.
> Thanks. Kyle n0mkh
>
>

=====

"If in doubt, MODIFY" --k0zl

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1676. Re: Kenwood TS-520 SE power transformer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-25 13:18:42 UTC
From: Dennis Adams
Topic: 1662 Message: 1676

Hmmm,

Seems as if the transformer is now discontinued at Kenwood parts. I guess the next option is to find another 520 that is being parted out. I will keep looking on ebay and hamfests eventually I will run across one. I was hoping to find one soon.

Thanks for the help.

--- In TS-520_820_530_830@yahoogroups.com, "Gary Commer" <af4ld@e...> wrote:
> I did not know there was a difference. I have the earlier 520 version and
> I know that there is a wiring diagram in the manual for 13.8 Volt mobile
> operation. He would have to look in the manuals and see if that is the case
> with the SE version.
>
> 73 dit dit
> de Gary AF4LD
>
>
> > [Original Message]
> > From: Brent Baum <brent.baum@s...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Date: 5/24/2004 12:45:09 PM
> > Subject: [TS-520_820_530_830] Re: Kenwood TS-520 SE power transformer
> >
> > As I understand it, the SE model is strictly an AC current, 120v,
> > device. When Kenwood created the SE they removed everything that made
> > the 520 and 520S operable on DC voltage. The 520S schematics will
> > show the DC power supply layout but I don't know if there will be
> > room in the case for the conversion. Good luck. Let us know how it
> > goes, I also own a 520 SE.
> >
> > K7MEI
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "Dennis Adams"
> > <hemi427man@y...> wrote:
> > > Is there a schematic for this mod to 12volts for the 520SE?
> > >
> > > Thanks again!

> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, "Gary Commer"
> > <af4ld@e...>
> > > wrote:
> > > > I wonder if it would be more feasible to use the mobile power
> > > connection
> > > > with an external 12V power supply. The external power supply
> > could
> > > > be used
> > > > until you find something at a hamfest or such, then could be
used
> > > with
> > > > other equipment that you may pick up in the future
> > > >
> > > > 73 dit dit
> > > > de Gary AF4LD
> > > >
> > > >
> > > > > [Original Message]
> > > > > From: Stuart Hamm <hemi427man@y...>
> > > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > > Date: 5/23/2004 3:34:46 PM
> > > > > Subject: [TS-520_820_530_830] Kenwood TS-520 SE power
> > transformer
> > > > >
> > > > > Greetings,
> > > > >
> > > > > I just purchased a Kenwood TS 520SE. The transformer looks
like
> > > it
> > > > > took a spike on the primary side. I did find a replacement
from
> > > > > Kenwood at $116.
> > > > >
> > > > > Does anyone know where I can pick up a used and working
> > > transformer
> > > > > within this group?
> > > > >
> > > > > Thanks,
> > > > >
> > > > > Dennis / KB8YGC
> > > > >
> > > > >
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> > > > >
> > > > >
> > > > >
> > > > > Yahoo! Groups Links
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> > Yahoo! Groups Links
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1677. Re: TS830S SignaLink Interface

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 00:22:47 UTC
From: Ron Maret
Topic: 1667 Message: 1677

Thanks for all the replies on the SignaLink. This group is awesome
and very helpful. Thanks - Ron/WB8WSS

1678. TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 00:28:32 UTC
From: Ron Maret
Topic: 1678 Message: 1678

So far I have tried PSK31 Deluxe, DigiPan, Ham Scope, Ham Radio Deluxe, WinWarbler, MixW2, and MRP4060. I seem to get the best results from MRP4060. I could not get most programs to work, maybe my fault not the software. However MRP4060 is easy to use and works extremely well with about 95% positive results. Anyone have a favorite piece of software for this? So much stuff and so little time :-) Your comments or suggestions are welcome. Thanks - Ron/WB8WSS

1679. Re: [TS-520_820_530_830] TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 00:33:12 UTC
From: Jack Twilley
Topic: 1678 Message: 1679

While I have been endeavoring to use my brain as a CW-decoder, I have also used MultiPSK. I've never used it to operate PSK -- don't know how, don't currently have any strong drive to learn -- but I have used it to decode other digital modes like CW. I had hoped to use it for the Armed Forces Day event, but that fell through. I don't recall whether or not W1AW transmits on Memorial Day -- if so, I'll test it against their other digital modes.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1680. Re: TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 12:24:28 UTC
From: Jim
Topic: 1678 Message: 1680

Ron,

I wrote an article for QST about a year ago on this very topic. Due to a production error, they published it on the ARRL website by mistake so you can read the whole thing here:

http://www.arrl.org/news/features/2003/06/18/1/

The summary is that computers can copy very clean CW, but most operators are not consistent enought to allow the algorithms to copy accurately. The decoders must first detect the speed, then they go about the business of decoding the intelligence. If the operator has any fluctuation in speed, interword gaps, etc. the decoder will stop for a few seconds while it recalibrates the speed. Depending on how inconsistent the fist is, the decoder spends most of its life recalibrating and no time decoding.

As a result, my conclusion after some pretty complete testing was that the best way to decode CW was a well trained pair of ears. My personal "ear decoder" only works up to about 12 WPM, but I am still working on it. If you want to use a program to help, the best results were obtained with CWGet and SkySweeper, two commerical products from Europe. CWGet is $35 and SkySweeper, which works with many different modes (RTTY, PSK, etc.) runs $120 to $630 depends on the configuration you order.

73,
Jim / K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "Ron Maret" <rmaret@z...> wrote:
> So far I have tried PSK31 Deluxe, DigiPan, Ham Scope, Ham Radio
> Deluxe, WinWarbler, MixW2, and MRP4060. I seem to get the best
> results from MRP4060. I could not get most programs to work, maybe
my
> fault not the software. However MRP4060 is easy to use and works
> extremely well with about 95% positive results. Anyone have a
> favorite piece of software for this? So much stuff and so little
> time :-) Your comments or suggestions are welcome. Thanks -
> Ron/WB8WSS

1681. Black clips & toggle switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 12:37:31 UTC
From: Phono-Guy
Topic: 1681 Message: 1681

Has anyone yet to find a source or alternate parts for
the small black clips that hold the side plates, and
tops in place for some of these older Kenwood rigs?
Also the toggle paddles that are used for switches?

Thanks for all replies.
Clint
WS1V

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1682. Re: [TS-520_820_530_830] Digest Number 411

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 13:14:21 UTC
From: james27613@att.net
Topic: 1682 Message: 1682

Hi Ron,

Check CWGET from DX soft

http://www.dxsoft.com

No cost download working program, you can register for full blown product.

They have other software available.

73 james ke4drn

Date: Wed, 26 May 2004 00:28:32 -0000
From: "Ron Maret" <rmaret@...>
Subject: TS-830S decoding CW software

So far I have tried PSK31 Deluxe, DigiPan, Ham Scope, Ham Radio
Deluxe, WinWarbler, MixW2, and MRP4060. I seem to get the best
results from MRP4060. I could not get most programs to work, maybe my
fault not the software. However MRP4060 is easy to use and works
extremely well with about 95% positive results. Anyone have a
favorite piece of software for this? So much stuff and so little
time :-) Your comments or suggestions are welcome. Thanks -
Ron/WB8WSS

1683. Re: [TS-520_820_530_830] TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 22:41:44 UTC
From: Bill K0ZL
Topic: 1678 Message: 1683

Hi Jack,

The mil stns don't use CW on Armed Forces Day any
more, as far as I know.

Best way to test is to snag one of the guys on the
group for a sked. My digital stuff is not hooked up
yet or I'd do it.

The ARRL bulls come out in RTTY (Baudot), Amtor mode B
(FEC, sort of a high-tech RTTY) and ASCII (antiquated,
but nice to see lower case now and then! hi). I don't
know if they do PSK31 bulls yet.

b

--- Jack Twilley <jmt@...> wrote:
> While I have been endeavoring to use my brain as a
> CW-decoder, I have
> also used MultiPSK. I've never used it to operate
> PSK -- don't know
> how, don't currently have any strong drive to learn
> -- but I have used
> it to decode other digital modes like CW. I had
> hoped to use it for
> the Armed Forces Day event, but that fell through.
> I don't recall
> whether or not W1AW transmits on Memorial Day -- if
> so, I'll test it
> against their other digital modes.
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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http://messenger.yahoo.com/

1684. Re: TS-520 been in storage

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 00:30:30 UTC
From: cb750fsuperspor@webtv.net
Topic: 1672 Message: 1684

Thanks for the advise bill. I will definetly give that a shot. Kyle
nomkh

"Get some metric allen wrenches ($8.00-$10.00 any auto parts store, good investment) and remove the knob. Put a drop of good old 10W-30 motor oil on the VFO shaft, it will feel good as new. b "

1685. VFO 820 with TS 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 00:36:38 UTC
From: wohtex
Topic: 1685 Message: 1685

Does anyone know if a VFO 820 will work with the TS 520? any changes needed to the cable?

thanks
Bill N5CCQ

1686. Re: [TS-520_820_530_830] TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 00:39:18 UTC
From: Jack Twilley
Topic: 1678 Message: 1686

>>>>> "Bill" == coorsbill <Bill> writes:

Bill> Hi Jack, The mil stns don't use CW on Armed Forces Day any more,
Bill> as far as I know.

Nah, they do AMTOR and PACTOR and stuff. That's why I downloaded
MultiPSK, because it could do all of that and more. It's just a minor
side benefit to have it decode CW.

Bill> Best way to test is to snag one of the guys on the group for a
Bill> sked. My digital stuff is not hooked up yet or I'd do it.

If there's any particular part of the band that's likely to be
hopping, let me know and I'll cruise for content sometime.

Bill> The ARRL bulls come out in RTTY (Baudot), Amtor mode B (FEC,
Bill> sort of a high-tech RTTY) and ASCII (antiquated, but nice to see
Bill> lower case now and then! hi). I don't know if they do PSK31
Bill> bulls yet.

Nope, no PSK31 yet. Might be worth mentioning it the next time you're
in Newington.

Bill> b

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1687. Re: [TS-520_820_530_830] TS-830S decoding CW software

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 03:32:03 UTC
From: Bill K0ZL
Topic: 1678 Message: 1687

3600-3615 eves, nights
7035-7080 eves
14.060-14.090 afternoons, eves, weekends, also look
for ARRL bulls at 14094 I think.
Also watch for RTTY contests.

b

--- Jack Twilley <jmt@...> wrote:
> >>>>> "Bill" == coorsbill <Bill> writes:
>
> Bill> Hi Jack, The mil stns don't use CW on Armed
> Forces Day any more,
> Bill> as far as I know.
>
> Nah, they do AMTOR and PACTOR and stuff. That's why
> I downloaded
> MultiPSK, because it could do all of that and more.
> It's just a minor
> side benefit to have it decode CW.
>
> Bill> Best way to test is to snag one of the guys on
> the group for a
> Bill> sked. My digital stuff is not hooked up yet
> or I'd do it.
>
> If there's any particular part of the band that's
> likely to be
> hopping, let me know and I'll cruise for content
> sometime.
>
> Bill> The ARRL bulls come out in RTTY (Baudot),
> Amtor mode B (FEC,
> Bill> sort of a high-tech RTTY) and ASCII
> (antiquated, but nice to see
> Bill> lower case now and then! hi). I don't know if
> they do PSK31
> Bill> bulls yet.
>
> Nope, no PSK31 yet. Might be worth mentioning it
> the next time you're
> in Newington.
>
> Bill> b
>

> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1688. CW/RTTY Setup for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 04:52:26 UTC
From: jason@creager.com
Topic: 1688 Message: 1688

I just bought a TS-520. It hasn't arrived yet, but I'm anxious to get on HF. So far, it looks like it will be a CWGet and CWType setup for RTTY. My key is an MFJ 422D, so I'm thinking CWType will be setup using the parallel port. Of course, I want to run RTTY, too, but I haven't looked into that yet.

Is anyone using the interfaces supplied in the CWGet/Type docs or are most people running a RigBlaster type setup?

Also, do you think a HP Brio Celeron 333Mhz. Tower/ 64MB/ 3.2GB/ CD would be stout enough to run the above software and a logging program? It's a $40 computer, so it's mighty tempting. Of course, for $110 I can get a Micron PIII 667Mhz/ 128MB/ 10GB/ CD. (prices from surpluscomputers.com)

Since this will eventually be a backup rig to an IC-718 or 706MkII, should I just spend the extra money for the PIII system?

Thanks for the input,
Jason

1689. TS-520S power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-26 03:16:12 UTC
From: rcarp5
Topic: 1689 Message: 1689

I just received a nice TS-520S in trade and I'm really enjoying the radio. It has a great receiver and I have gotten good on the air reports. I have one question concerning the rf output of the TS-520S that maybe someone can help me with. It seems to load up fine on all bands with about 200 ma plate current dipped and 125 watts carrier into a dummy load. When watching the output on my watt meter (built into my MFJ949 C antenna tuner) I only see about 30-40 watts on voice peaks. When watching the plate current meter on the radio it indicates about 100-125 ma on voice peaks. Maybe this is normal, when I compare it with my TS-440S I get about 100 watts carrier and over 50 watts on the watt meter on voice peaks. This is with the processor on both radios on and keeping within the ALC range. On the air comparisons show that the TS-440S has a stronger signal. Do I need new final amplifier tubes or? Thanks, Larry Carpenter, AA4VI

1690. Re: brio or micron for station pc

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 13:13:54 UTC
From: james27613@att.net
Topic: 1690 Message: 1690

hi Jason,

P III has faster bus speed over celeron.
Should be no problem for either pc to run the software.

The system with more memory will save you money
over adding more memory to the less expensive pc.

Shipping should be about the same.

Is the operating system included or do you have one ?

73 james ke4drn

> Date: Wed, 26 May 2004 21:52:26 -0700 (PDT)
> From: jason@...
> Subject: CW/RTTY Setup for 520
>

> Also, do you think a HP Brio Celeron 333Mhz. Tower/
> 64MB/ 3.2GB/ CD would be stout enough to run the above
> software and a logging program? It's a $40 computer, so
> it's mighty tempting. Of course, for $110 I can get a
> Micron PIII 667Mhz/ 128MB/ 10GB/ CD. (prices from
> surpluscomputers.com)
>
> Since this will eventually be a backup rig to an IC-718
> or 706MkII, should I just spend the extra money for the
> PIII system?
>
> Thanks for the input,
> Jason

1691. Re: [TS-520_820_530_830] TS-520S power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 15:24:14 UTC
From: Bill K0ZL
Topic: 1689 Message: 1691

If your power meter is not a true "peak reading" type
(NOT the MFJ interpretation of "peak reading"), you
should only see 10-25 watts on voice. This is normal.

Check the rig full bore into dummy load on CW... This
will be your PEP output on SSB plus a little.

Bill

--- rcarp5 <rcarp5@...> wrote:
> I just received a nice TS-520S in trade and I'm
> really enjoying the
> radio. It has a great receiver and I have gotten
> good on the air
> reports. I have one question concerning the rf
> output of the TS-520S
> that maybe someone can help me with. It seems to
> load up fine on all
> bands with about 200 ma plate current dipped and 125
> watts carrier
> into a dummy load. When watching the output on my
> watt meter (built
> into my MFJ949 C antenna tuner) I only see about
> 30-40 watts on
> voice peaks. When watching the plate current meter
> on the radio it
> indicates about 100-125 ma on voice peaks. Maybe
> this is normal,
> when I compare it with my TS-440S I get about 100
> watts carrier and
> over 50 watts on the watt meter on voice peaks. This
> is with the
> processor on both radios on and keeping within the
> ALC range. On the
> air comparisons show that the TS-440S has a stronger
> signal. Do I
> need new final amplifier tubes or? Thanks, Larry
> Carpenter, AA4VI
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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1692. NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 18:22:01 UTC
From: ka9vaa
Topic: 1692 Message: 1692

My 830 receives on 10 meters but Has no output, I can not load at all, I have cleaned the band switch. It loads and works fine on all other bands, anyone have any suggestion on where to look for a problem?

Thank you

tom

1693. Re: CW/RTTY Setup for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 22:33:06 UTC
From: Jim
Topic: 1688 Message: 1693

See my reply in message 1680 regarding computer programs. When I did the original work cited in the article, I used a very tired old Compaq laptop running Win98 and a clock speed similar to your HP Brio and CWGet worked fine. Actually, the bus speed has more to do with it than the chip - the programs are not that processor intensive. A Pentium III is overkill.

I do digital by connecting the sound card to the phone patch with some $2 cables from Rat Shack. This is not 100% safe, since the voltage from the rig is not isolated from the computer. RigBlaster and similar boxes have an optical coupler to electrically isolate the rig from the computer. It probably won't hurt the rig, but if you get transient voltage down the cable it might fry your sound card so you are forewarned. On the other hand, at $40 it might be worth the risk.

If you are looking to go inexpensive, I suggest you try Hamscope with the MMRTTY engine. Both are freebies, and Hamscope is great for both PSK and RTTY. CWGet is the best decoder under $100, but none of the CW decoders work that well (read the message referenced above). As far as I know, CWType and all encoders work via the sound card but I could be mistaken. If you need the links to get the software, feel free to e-mail me or check out the article linked from the above referenced message - I think the links are in there.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, jason@c... wrote:
> I just bought a TS-520. It hasn't arrived yet, but I'm
> anxious to get on HF. So far, it looks like it will be
> a CWGet and CWType setup for RTTY. My key is an MFJ
> 422D, so I'm thinking CWType will be setup using the
> parallel port. Of course, I want to run RTTY, too, but
> I haven't looked into that yet.
>
> Is anyone using the interfaces supplied in the
> CWGet/Type docs or are most people running a RigBlaster
> type setup?
>
> Also, do you think a HP Brio Celeron 333Mhz. Tower/
> 64MB/ 3.2GB/ CD would be stout enough to run the above
> software and a logging program? It's a $40 computer, so
> it's mighty tempting. Of course, for $110 I can get a
> Micron PIII 667Mhz/ 128MB/ 10GB/ CD. (prices from
> surpluscomputers.com)

>
> Since this will eventually be a backup rig to an IC-718
> or 706MkII, should I just spend the extra money for the
> PIII system?
>
> Thanks for the input,
> Jason

1694. Solution to TS-520s no IP current in Tune?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 22:40:32 UTC
From: Anthony L. Mach
Topic: 1694 Message: 1694

Hi All,

My name is Tony (callsign AB9IO), I'm glad to be with you all!

My rig is a Kenwood TS-520s. I just set it up last night and made a QSO, so I know it's working. I don't have any current dip in Tune mode though. I've read the posts on this, but I didn't get anyone that posted what their solution was. Can anyone give me a hint on what's going on with my rig?

1695. TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-28 10:48:48 UTC
From: Ron Maret
Topic: 1695 Message: 1695

When I'am connecting the coax line to my tuner which is connected to my TS830 I feel a tingle when holding the outside of the PL259 and touch ing the TS830. Makes me think there is current/voltage flowing throught the cabinet of the TS830? How can I prevent this? Ron/WB8WSS

1696. Re: [TS-520_820_530_830] TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-28 11:22:00 UTC
From: NORM FUSARO
Topic: 1695 Message: 1696

Ron,
It sounds like you need a good earth ground on that rig. The best is as short as possible heavy lead to a 8 ft ground rod pounded into the ground. All ground connection should be clamped not soldered. A convenient way to ground station equipment is to use a common ground block; all gear is grounded to the block then the block is lead to the ground rod. Do not daisy chain or ground equipment from one to another to a ground. If there is a fault in one piece it will send current through all pieces on it's way to ground and could potentially damage components along the way. Especially true when using vintage tube gear and high voltages. Each piece of gear must have it's own ground to the common point ground block. I use a commercial block found in the electrical dept of Home Depot. It looks like the block in your electrical panel. Some guys use a piece of copper and run bolts through it, or a piece of pipe and clamps.
Good grounding is not only a safety measure but it will help eliminate about 90% of potential RFI problems such as RF in the shack and noisy receiver.
There is some really good info about grounding on ARRL page:
http://www.arrl.org/tis/info/grounding.html

Hope this helps.
73,
Norm, W3IZ

----- Original Message -----

When I'am connecting the coax line to my tuner which is connected to
my TS830 I feel a tingle when holding the outside of the PL259 and
touch ing the TS830. Makes me think there is current/voltage flowing
throught the cabinet of the TS830? How can I prevent this? Ron/WB8WSS

[Non-text portions of this message have been removed]

1697. Re: [TS-520_820_530_830] TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-28 12:58:22 UTC
From: Paul Manuel
Topic: 1695 Message: 1697

--- Ron Maret <rmaret@...> wrote:
> When I'am connecting the coax line to my tuner which is connected to
> my TS830 I feel a tingle when holding the outside of the PL259 and
> touch ing the TS830. Makes me think there is current/voltage flowing
> throught the cabinet of the TS830? How can I prevent this? Ron/WB8WSS

Sounds like you probably have a leaky filter cap in that radio. Many old
rigs develop this condition, and are quite usable for a long time, but you
have to ground it!! You really need a good electrical ground to that rig,
pronto!
73,
Paul K4PDM

_____
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1698. Re: [TS-520_820_530_830] Re: CW/RTTY Setup for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-28 14:16:23 UTC
From: Jason Creager
Topic: 1688 Message: 1698

On 5/27/04 at 10:33 PM Jim wrote:

>As far as I know, CWType and all encoders work via the
>sound card but I could be mistaken.

CWType includes schematics to build a serial or parallel interface directly
to the rig's key input. The parallel version can be used with an iambic
paddle. It's probably how I'll do it.

Thanks for the advice.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1699. RE: [TS-520_820_530_830] CW/RTTY Setup for 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-28 23:44:57 UTC
From: Walter Milton
Topic: 1688 Message: 1699

Jason,

Either computer will have enough horse power to do what you want ;-)

Walt, KA2NJF
-----Original Message-----
From: jason@... [mailto:jason@...]
Sent: Thursday, May 27, 2004 12:52 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] CW/RTTY Setup for 520

I just bought a TS-520. It hasn't arrived yet, but I'm
anxious to get on HF. So far, it looks like it will be
a CWGet and CWType setup for RTTY. My key is an MFJ
422D, so I'm thinking CWType will be setup using the
parallel port. Of course, I want to run RTTY, too, but
I haven't looked into that yet.

Is anyone using the interfaces supplied in the
CWGet/Type docs or are most people running a RigBlaster
type setup?

Also, do you think a HP Brio Celeron 333Mhz. Tower/
64MB/ 3.2GB/ CD would be stout enough to run the above
software and a logging program? It's a $40 computer, so
it's mighty tempting. Of course, for $110 I can get a
Micron PIII 667Mhz/ 128MB/ 10GB/ CD. (prices from
surpluscomputers.com)

Since this will eventually be a backup rig to an IC-718
or 706MkII, should I just spend the extra money for the
PIII system?

Thanks for the input,
Jason

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a.. To visit your group on the web, go to:
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[Non-text portions of this message have been removed]

1700. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-29 01:39:05 UTC
From: John Blake
Topic: 1692 Message: 1700

Hi Tom I have a 530s, same problem cause mine was put out when the use of the WARC bands were still being debated so they have a diode blocking their use. All you have to do is remove the diode.
Not sure if this is the same with your rig ?
You would need a schematic to help you though, I have not done this mod yet.

John vk6jrb

On Thu, 27 May 2004 18:22:01 -0000, ka9vaa <ka9vaa@...> wrote:

> My 830 receives on 10 meters but Has no output, I can not load at all,
> I have cleaned the band switch. It loads and works fine on all other
> bands, anyone have any suggestion on where to look for a problem?
>
> Thank you
>
> tom
>
>
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John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

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1701. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-29 02:59:49 UTC
From: bunny-dawg
Topic: 1692 Message: 1701

Tom try this page
http://www.radiomods.co.nz/kenwood/kenwoodts830.html
that is only one of many and may not answer your
question. I'll look for more if that's not what you
are after but i'm off to bed. Doing the yard sale
thingy tomorrow.
Robert
VE3 something or other

--- John Blake <vk6jrb@...> wrote:
> Hi Tom I have a 530s, same problem cause mine was
> put out when the use of
> the WARC bands were still being debated so they have
> a diode blocking their
> use. All you have to do is remove the diode.
> Not sure if this is the same with your rig ?
> You would need a schematic to help you though, I
> have not done this mod
> yet.
>
> John vk6jrb
>
> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
> <ka9vaa@...> wrote:
>
> > My 830 receives on 10 meters but Has no output, I
> can not load at all,
> > I have cleaned the band switch. It loads and works
> fine on all other
> > bands, anyone have any suggestion on where to look
> for a problem?
> >
> > Thank you
> >
> > tom
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> vk6jrb@...
> 0429 674296
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
>
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
Take care
Robert

_____
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1702. Extension feet for a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-27 23:28:33 UTC
From: allykat2312
Topic: 1702 Message: 1702

Does anyone know where I can get a pair of extension feet for a TS-830S? I'm missing one pair for my station.

1703. Re: [TS-520_820_530_830] Extension feet for a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-29 16:36:54 UTC
From: Keith V
Topic: 1702 Message: 1703

www.auctionworks.com/store/default.asp?sfid=4474

then click on Accessories Kenwood.

73, Van
K0KAV

----- Original Message -----
From: "allykat2312" <allykat2312@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, May 27, 2004 6:28 PM
Subject: [TS-520_820_530_830] Extension feet for a TS-830S

> Does anyone know where I can get a pair of extension feet for a TS-
> 830S? I'm missing one pair for my station.
>
>
>
>

1704. ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-29 17:57:00 UTC
From: bill
Topic: 1692 Message: 1704

Hi All,
i set my bias to 60ma in the ssb mode, i have just noticed that when in
cw mode it is 70ma, so i have reset it at 60ma in cw. Is this normal ? in
the
book it says set it to 60ma in ssb but gives no mention of cw. As i use cw
and
rarely if at all use ssb which mode should it be set in.....
73 all de Bill G4KKI

1705. TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-29 22:27:14 UTC
From: neoshomi@yahoo.com
Topic: 1705 Message: 1705

why so few posts? are there no problems or is the 820 rare? i have one

1706. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 01:38:50 UTC
From: Bill K0ZL
Topic: 1692 Message: 1706

Cutting one of the black wires on the RF unit will do
it.
b

--- John Blake <vk6jrb@...> wrote:
> Hi Tom I have a 530s, same problem cause mine was
> put out when the use of
> the WARC bands were still being debated so they have
> a diode blocking their
> use. All you have to do is remove the diode.
> Not sure if this is the same with your rig ?
> You would need a schematic to help you though, I
> have not done this mod
> yet.
>
> John vk6jrb
>
> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
> <ka9vaa@...> wrote:
>
> > My 830 receives on 10 meters but Has no output, I
> can not load at all,
> > I have cleaned the band switch. It loads and works
> fine on all other
> > bands, anyone have any suggestion on where to look
> for a problem?
> >
> > Thank you
> >
> > tom
> >
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> --
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> vk6jrb@...
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1707. Re: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 02:41:59 UTC
From: Bill K0ZL
Topic: 1692 Message: 1707

Bias should not change from one mode to the next.

b

--- bill <bill.g4kki@...> wrote:
> Hi All,
> i set my bias to 60ma in the ssb mode, i have just
> noticed that when in
> cw mode it is 70ma, so i have reset it at 60ma in
> cw. Is this normal ? in
> the
> book it says set it to 60ma in ssb but gives no
> mention of cw. As i use cw
> and
> rarely if at all use ssb which mode should it be set
> in.....
> 73 all de Bill G4KKI
>
>
>

=====

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1708. Re: [TS-520_820_530_830] TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 02:45:25 UTC
From: Bill K0ZL
Topic: 1705 Message: 1708

Most problems for the 820 revolve around the
PLL/VCO/Counter unit having bad connections between
boards; or someone trying to locate a display tube.
Other than that, the 4 rigs of concern to the group
all share the same issues to some degree.

Bill

--- neoshomi@... wrote:
> why so few posts? are there no problems or is the
> 820 rare? i have one
>
>
>

=====

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1709. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 09:49:19 UTC
From: John Blake
Topic: 1692 Message: 1709

Haven't been inside my 530 too much, which black wire would that be?

John

On Sat, 29 May 2004 18:38:50 -0700 (PDT), Bill K0ZL <coorsbill@...>
wrote:

> Cutting one of the black wires on the RF unit will do
> it.
> b
>
>
> --- John Blake <vk6jrb@...> wrote:
>> Hi Tom I have a 530s, same problem cause mine was
>> put out when the use of the WARC bands were still being debated so they
>> have
>> a diode blocking their use. All you have to do is remove the diode.
>> Not sure if this is the same with your rig ?
>> You would need a schematic to help you though, I
>> have not done this mod yet.
>>
>> John vk6jrb
>>
>> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
>> <ka9vaa@...> wrote:
>>
>> > My 830 receives on 10 meters but Has no output, I
>> can not load at all,
>> > I have cleaned the band switch. It loads and works
>> fine on all other
>> > bands, anyone have any suggestion on where to look
>> for a problem?
>> >
>> > Thank you
>> >
>> > tom
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>> >
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>> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> vk6jrb@...
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--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

1710. Re: [TS-520_820_530_830] TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 13:17:08 UTC
From: Bill K0ZL
Topic: 1695 Message: 1710

Change to a 3-wire AC safety cord, vs the two-wire in use now.

There are two-0.01uF caps from each side of the AC line to the chassis, leaving the chassis at 65 volts AC to ground. Very low current but you can feel it.

You can also hook earth ground to the chassis of the radio before plugging it in. I prefer a 3 wire cord because then it is automatic.

73,

Bill

--- Ron Maret <rmaret@...> wrote:
> When I'am connecting the coax line to my tuner which
> is connected to
> my TS830 I feel a tingle when holding the outside of
> the PL259 and
> touch ing the TS830. Makes me think there is
> current/voltage flowing
> throught the cabinet of the TS830? How can I
> prevent this? Ron/WB8WSS
>
>

=====

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1711. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 13:51:05 UTC
From: Bill K0ZL
Topic: 1692 Message: 1711

Let me see if I can get a picture up for ya.

b

--- John Blake <vk6jrb@...> wrote:
> Haven't been inside my 530 too much, which black
> wire would that be?
>
> John
>
> On Sat, 29 May 2004 18:38:50 -0700 (PDT), Bill K0ZL
> <coorsbill@...>
> wrote:
>
> > Cutting one of the black wires on the RF unit will
> do
> > it.
> > b
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> > --- John Blake <vk6jrb@...> wrote:
> >> Hi Tom I have a 530s, same problem cause mine was
> >> put out when the use of the WARC bands were still
> being debated so they
> >> have
> >> a diode blocking their use. All you have to do is
> remove the diode.
> >> Not sure if this is the same with your rig ?
> >> You would need a schematic to help you though, I
> >> have not done this mod yet.
> >>
> >> John vk6jrb
> >>
> >> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
> >> <ka9vaa@...> wrote:
> >>
> >> > My 830 receives on 10 meters but Has no output,
> I
> >> can not load at all,
> >> > I have cleaned the band switch. It loads and
> works
> >> fine on all other
> >> > bands, anyone have any suggestion on where to
> look
> >> for a problem?

> >> >
> >> > Thank you
> >> >
> >> > tom
> >> >
> >> >
> >> >
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> yours for only $14.70
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http://us.click.yahoo.com/Z1wmxD/DREIAA/yQLSAA/ELTolB/TM
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> >> > Yahoo! Groups Links
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> >>
> >>
> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> vk6jrb@...
> >> 0429 674296
> >>
> >> Using M2, Opera's revolutionary e-mail client:
> >> http://www.opera.com/m2/
> >>
> >>
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> pop-up ads. Yahoo!
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> >>
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http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> >
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> >>
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> >> Yahoo! Groups Links
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> >> http://groups.yahoo.com/group/TS-520_820_530_830/
> >>
> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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> John Blake VK6JRB / Fists 9054 / CWQRP 614
> vk6jrb@...
> 0429 674296
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> Using M2, Opera's revolutionary e-mail client:
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"If in doubt, MODIFY" --k0zl

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1712. Re: [TS-520_820_530_830] Extension feet for a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 17:02:44 UTC
From: John Benthall
Topic: 1702 Message: 1712

Hi Keith,

I found the web site and ordered the extender feet. Thanks for taking the time to let me know about this. Finding this kind of item could drive a guy crazy.

73, John (N8CCK)

Keith V <k0kav@...> wrote:
www.auctionworks.com/store/default.asp?sfid=4474

then click on Accessories Kenwood.

73, Van
K0KAV

----- Original Message -----
From: "allykat2312" <allykat2312@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, May 27, 2004 6:28 PM
Subject: [TS-520_820_530_830] Extension feet for a TS-830S

> Does anyone know where I can get a pair of extension feet for a TS-
> 830S? I'm missing one pair for my station.
>
>
>
>

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[Non-text portions of this message have been removed]

1713. TS-820s Brand New, In the Box, Never Used

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 20:03:36 UTC
From: k2wh_bill
Topic: 1713 Message: 1713

Some of you may know from a previous posting, that I found and purchased a Brand New TS-820s rig. All documentation, box, warranty card, the works. Even the original box is just off the shelf. (See Photos section).

It works fine but now I am in a delimma. Since the rig is brand new, never used, in the box etc. Do I dare use it or do I keep it "Brand New In the Box, Never Used"?

You guys may think this is stupid, but the reason I got it was because it is/was Brand New in The Box. Since I put it on the air to test it for about 1 hour I guess technically it is USED. But is it still brand new? This is driving me crazy. I don't want to use it because it is so perfect.

Decisions.....

K2WH

1714. Re: [TS-520_820_530_830] TS-820s Brand New, In the Box, Never Used

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 20:13:24 UTC
From: Mike kd8q
Topic: 1713 Message: 1714

Hey Bill,
Since the 820 is used now, maybe you would like to trade for my "well used 820s" with all the mods! Hi Hi!
Mike kd8q

k2wh_bill <k2wh@...> wrote:
Some of you may know from a previous posting, that I found and purchased a Brand New TS-820s rig. All documentation, box, warranty card, the works. Even the original box is just off the shelf. (See Photos section).

It works fine but now I am in a delimma. Since the rig is brand new, never used, in the box etc. Do I dare use it or do I keep it "Brand New In the Box, Never Used"?

You guys may think this is stupid, but the reason I got it was because it is/was Brand New in The Box. Since I put it on the air to test it for about 1 hour I guess technically it is USED. But is it still brand new? This is driving me crazy. I don't want to use it because it is so perfect.

Decisions.....

K2WH

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[Non-text portions of this message have been removed]

1715. RE: [TS-520_820_530_830] TS-820s Brand New, In the Box, Never Used

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 10:41:24 UTC
From: Bill
Topic: 1713 Message: 1715

Mike,

I think I'll pass on that one. I currently have (2) other 820's on the bench for testing and
refurbishment. I am currently using a 3rd 820 in the shack. I guess the New one which
is in the box is my 4th 820. Go to QRZ.COM, type in K2WH and you will see a picture
of the Kenwood station currently in use.

K2WH

-----Original Message-----
From: Mike kd8q [mailto:kd8q@...]
Sent: Monday, May 31, 2004 2:13 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-820s Brand New, In the Box, Never Used

Hey Bill,
Since the 820 is used now, maybe you would like to trade for my "well used 820s" with all the mods! Hi Hi!
Mike kd8q

k2wh_bill <k2wh@...> wrote:
Some of you may know from a previous posting, that I found and purchased a Brand New TS-820s rig. All documentation, box, warranty card, the works. Even the original box is just off the shelf. (See Photos section).

It works fine but now I am in a delimma. Since the rig is brand new, never used, in the box etc. Do I dare use it or do I keep it "Brand New In the Box, Never Used"?

You guys may think this is stupid, but the reason I got it was because it is/was Brand New in The Box. Since I put it on the air to test it for about 1 hour I guess technically it is USED. But is it still brand new? This is driving me crazy. I don't want to use it because it is so perfect.

Decisions.............

K2WH

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<http://rd.yahoo.com/SIG=129d35ahb/M=295196.4901138.6071305.3001176/D=groups/S=1705063108:HM/EXP=1086034467/A=2128215/R=0/SIG=10se96mf6/*http://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=130429644>

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TS-520_820_530_830-unsubscribe@yahoogroups.com
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[Non-text portions of this message have been removed]

1716. Re: [TS-520_820_530_830] TS-820s Brand New, In the Box, Never Used

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 23:35:10 UTC
From: Peter A Markavage
Topic: 1713 Message: 1716

You took it out of the box and used it. It's been used. My TS830S and it's original box still look perfect too after 25 years. Remember, just because it's "new in the box" for 25 plus years, the components in the unit have still aged for 25 years. It's all in the mind.

Pete, wa2cwa

On Sun, 30 May 2004 20:03:36 -0000 "k2wh_bill" <k2wh@...>
writes:
Some of you may know from a previous posting, that I found and purchased a Brand New TS-820s rig. All documentation, box, warranty card, the works. Even the original box is just off the shelf. (See Photos section).

It works fine but now I am in a delimma. Since the rig is brand new, never used, in the box etc. Do I dare use it or do I keep it "Brand New In the Box, Never Used"?

You guys may think this is stupid, but the reason I got it was because it is/was Brand New in The Box. Since I put it on the air to test it for about 1 hour I guess technically it is USED. But is it still brand new? This is driving me crazy. I don't want to use it because it is so perfect.

Decisions.....

K2WH

[Non-text portions of this message have been removed]

1717. 820 Switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 07:13:32 UTC
From: J
Topic: 1717 Message: 1717

Hi group, still have had very little success in finding the black toggle switches on the left side of the 820. Dont have the manual...but does anyone know the part/model number of these black toggle switches so i could narrow my search perhaps? Thanks Jerrod KD5RAK

1718. RE: [TS-520_820_530_830] Digest Number 416

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 11:27:58 UTC
From: Ken Nellis
Topic: 1718 Message: 1718

Bill:

If you don't use it some day some other ham is going to be very pleased that you provided a free warehouse service and kept his beautiful new 820s in virtually unused condition for all those years.

Ken

----Original Message Follows----
k2wh_bill <k2wh@...> wrote:
Some of you may know from a previous posting, that I found and purchased a Brand New TS-820s rig. All documentation, box, warranty card, the works. Even the original box is just off the shelf. (See Photos section).

It works fine but now I am in a delimma. Since the rig is brand new, never used, in the box etc. Do I dare use it or do I keep it "Brand New In the Box, Never Used"?

You guys may think this is stupid, but the reason I got it was because it is/was Brand New in The Box. Since I put it on the air to test it for about 1 hour I guess technically it is USED. But is it still brand new? This is driving me crazy. I don't want to use it because it is so perfect.

Decisions.....

K2WH

Is your PC infected? Get a FREE online computer virus scan from McAfee? Security. http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963

1719. Re: [TS-520_820_530_830] TS-820s Brand New, In the Box, Never Used

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 11:45:15 UTC
From: Bill K0ZL
Topic: 1713 Message: 1719

Do we buy them for collector value, or to use them?

In the box it will just get all froze up and unhappy,
being driven to the depths of radio depression from
non-use.

On the shelf, gently used, both of you will enjoy it
more I think.

Bill

--- k2wh_bill <k2wh@...> wrote:
> Some of you may know from a previous posting, that I
> found and
> purchased a Brand New TS-820s rig. All
> documentation, box, warranty
> card, the works. Even the original box is just off
> the shelf. (See
> Photos section).
>
> It works fine but now I am in a delimma. Since the
> rig is brand new,
> never used, in the box etc. Do I dare use it or do
> I keep it "Brand
> New In the Box, Never Used"?
>
> You guys may think this is stupid, but the reason I
> got it was
> because it is/was Brand New in The Box. Since I put
> it on the air to
> test it for about 1 hour I guess technically it is
> USED. But is it
> still brand new? This is driving me crazy. I don't
> want to use it
> because it is so perfect.
>
> Decisions.............
>
> K2WH
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1720. Re: [TS-520_820_530_830] 820 Switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 11:50:54 UTC
From: NORM FUSARO
Topic: 1717 Message: 1720

Jerrod, email me off line and I may be able to point you in a good direction.
w3iz@...
73,
Norm, W3IZ

----- Original Message -----
From: J
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, May 31, 2004 3:13 AM
Subject: [TS-520_820_530_830] 820 Switches

Hi group, still have had very little success in finding the black
toggle switches on the left side of the 820. Dont have the
manual...but does anyone know the part/model number of these black
toggle switches so i could narrow my search perhaps? Thanks Jerrod KD5RAK

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[Non-text portions of this message have been removed]

1721. Re: [TS-520_820_530_830] Extension feet for a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 18:42:38 UTC
From: Keith V
Topic: 1702 Message: 1721

Glad to help John.

74, Van
K0KAV

----- Original Message -----
From: "John Benthall" <allykat2312@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, May 30, 2004 12:02 PM
Subject: Re: [TS-520_820_530_830] Extension feet for a TS-830S

> Hi Keith,
>
> I found the web site and ordered the extender feet. Thanks for taking the
time to let me know about this. Finding this kind of item could drive a guy
crazy.
>
> 73, John (N8CCK)
>
> Keith V <k0kav@...> wrote:
> www.auctionworks.com/store/default.asp?sfid=4474
>
> then click on Accessories Kenwood.
>
> 73, Van
> K0KAV
>

1722. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 18:44:37 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 1722

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /MODS/WARC TX ENABLE.pdf
Uploaded by : k0zl <coorsbill@...>
Description : TS-530S WARC TX ENABLE de k0zl

You can access this file at the URL

http://groups.yahoo.com/group/TS-520_820_530_830/files/MODS/WARC%20TX%20ENABLE.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

1723. Re: [TS-520_820_530_830] Solution to TS-520s no IP current in Tune?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 18:46:40 UTC
From: Bill K0ZL
Topic: 1694 Message: 1723

If you cannot get a dip in plate current in either
TUNE or CW mode, try turning the LOADING control
counterclockwise.

b

--- "Anthony L. Mach" <ab9io@...> wrote:
> Hi All,
>
> My name is Tony (callsign AB9IO), I'm glad to be
> with you all!
>
> My rig is a Kenwood TS-520s. I just set it up last
> night and made a
> QSO, so I know it's working. I don't have any
> current dip in Tune
> mode though. I've read the posts on this, but I
> didn't get anyone
> that posted what their solution was. Can anyone
> give me a hint on
> what's going on with my rig?
>
>

=====

"If in doubt, MODIFY" --k0zl

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1724. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 18:47:24 UTC
From: Bill K0ZL
Topic: 1692 Message: 1724

John, I found an easier way. See the file in the
group, under MODS.

Bill

--- John Blake <vk6jrb@...> wrote:
> Haven't been inside my 530 too much, which black
> wire would that be?
>
> John
>
> On Sat, 29 May 2004 18:38:50 -0700 (PDT), Bill K0ZL
> <coorsbill@...>
> wrote:
>
> > Cutting one of the black wires on the RF unit will
> do
> > it.
> > b
> >
> >
> > --- John Blake <vk6jrb@...> wrote:
> >> Hi Tom I have a 530s, same problem cause mine was
> >> put out when the use of the WARC bands were still
> being debated so they
> >> have
> >> a diode blocking their use. All you have to do is
> remove the diode.
> >> Not sure if this is the same with your rig ?
> >> You would need a schematic to help you though, I
> >> have not done this mod yet.
> >>
> >> John vk6jrb
> >>
> >> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
> >> <ka9vaa@...> wrote:
> >>
> >> > My 830 receives on 10 meters but Has no output,
> I
> >> can not load at all,
> >> > I have cleaned the band switch. It loads and
> works
> >> fine on all other
> >> > bands, anyone have any suggestion on where to
> look

> >> for a problem?
> >> >
> >> > Thank you
> >> >
> >> > tom
> >> >
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> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> vk6jrb@...
> >> 0429 674296
> >>
> >> Using M2, Opera's revolutionary e-mail client:
> >> http://www.opera.com/m2/
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> John Blake VK6JRB / Fists 9054 / CWQRP 614
> vk6jrb@...
> 0429 674296
>
> Using M2, Opera's revolutionary e-mail client:
> http://www.opera.com/m2/
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1725. Re: [TS-520_820_530_830] 820 Switches

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-30 19:11:56 UTC
From: Mike
Topic: 1717 Message: 1725

Try this from kenwoodparts.com:

K29-0370-00 (L5) KNOB (BLK) FOR PADDLE SW TS-520 TS-820
S-520S TS-820S

If the paddle is already loose or broken it is easy to remove, simply move
it to the mid position (so it is pointing straight out) and pull it forward.

>Hi group, still have had very little success in finding the black
>toggle switches on the left side of the 820. Dont have the
>manual...but does anyone know the part/model number of these black
>toggle switches so i could narrow my search perhaps? Thanks Jerrod

1726. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-05-31 20:05:02 UTC
From: Bill K0ZL
Topic: 1692 Message: 1726

Are you able to get any plate current at all above the
60mA idle current?
b

--- ka9vaa <ka9vaa@...> wrote:
> My 830 receives on 10 meters but Has no output, I
> can not load at all,
> I have cleaned the band switch. It loads and works
> fine on all other
> bands, anyone have any suggestion on where to look
> for a problem?
>
> Thank you
>
> tom
>
>

=====

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1727. Re: Solution to TS-520s no IP current in Tune?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-01 01:14:54 UTC
From: Anthony L. Mach
Topic: 1694 Message: 1727

Hi Bill,

Thanks for the reply. I'm getting a current dip in all other modes
besides tune. In Tune, I'm getting almost no current showing on the
meter to dip. Strange?

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> If you cannot get a dip in plate current in either
> TUNE or CW mode, try turning the LOADING control
> counterclockwise.
>
> b
>
> --- "Anthony L. Mach" <ab9io@l...> wrote:
> > Hi All,
> >
> > My name is Tony (callsign AB9IO), I'm glad to be
> > with you all!
> >
> > My rig is a Kenwood TS-520s. I just set it up last
> > night and made a
> > QSO, so I know it's working. I don't have any
> > current dip in Tune
> > mode though. I've read the posts on this, but I
> > didn't get anyone
> > that posted what their solution was. Can anyone
> > give me a hint on
> > what's going on with my rig?
> >
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> =====
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> "If in doubt, MODIFY" --k0zl
>
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1728. Re: [TS-520_820_530_830] Re: Solution to TS-520s no IP current in Tune?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-01 01:30:53 UTC
From: Bill K0ZL
Topic: 1694 Message: 1728

You should see about 10 percent dip in plate current
in either tune or CW modes... Any less indicates
excessive "loading" of the plate tank circuit to the
antenna or dummy load. This is controlled with the
loading capacitor adjustment; CCW is MORE capacity or
LESS loading or MORE plate current dip; CW is the
opposite.

Bill

--- "Anthony L. Mach" <ab9io@...> wrote:
> Hi Bill,
>
> Thanks for the reply. I'm getting a current dip in
> all other modes
> besides tune. In Tune, I'm getting almost no
> current showing on the
> meter to dip. Strange?
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > If you cannot get a dip in plate current in either
> > TUNE or CW mode, try turning the LOADING control
> > counterclockwise.
> >
> > b
> >
> > --- "Anthony L. Mach" <ab9io@l...> wrote:
> > > Hi All,
> > >
> > > My name is Tony (callsign AB9IO), I'm glad to be
> > > with you all!
> > >
> > > My rig is a Kenwood TS-520s. I just set it up
> last
> > > night and made a
> > > QSO, so I know it's working. I don't have any
> > > current dip in Tune
> > > mode though. I've read the posts on this, but I
> > > didn't get anyone
> > > that posted what their solution was. Can anyone
> > > give me a hint on

> > > what's going on with my rig?
> > >
> > >
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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"If in doubt, MODIFY" --k0zl

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1729. Re: [TS-520_820_530_830] NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-01 12:25:11 UTC
From: John Blake
Topic: 1692 Message: 1729

Thanks heaps Bill :-)

On Mon, 31 May 2004 11:47:24 -0700 (PDT), Bill K0ZL <coorsbill@...>
wrote:

> John, I found an easier way. See the file in the
> group, under MODS.
>
> Bill
>
>
> --- John Blake <vk6jrb@...> wrote:
>> Haven't been inside my 530 too much, which black
>> wire would that be?
>>
>> John
>>
>> On Sat, 29 May 2004 18:38:50 -0700 (PDT), Bill K0ZL
>> <coorsbill@...> wrote:
>>
>> > Cutting one of the black wires on the RF unit will
>> do
>> > it.
>> > b
>> >
>> >
>> > --- John Blake <vk6jrb@...> wrote:
>> >> Hi Tom I have a 530s, same problem cause mine was
>> >> put out when the use of the WARC bands were still
>> being debated so they >> have
>> >> a diode blocking their use. All you have to do is
>> remove the diode.
>> >> Not sure if this is the same with your rig ?
>> >> You would need a schematic to help you though, I
>> >> have not done this mod yet.
>> >>
>> >> John vk6jrb
>> >>
>> >> On Thu, 27 May 2004 18:22:01 -0000, ka9vaa
>> >> <ka9vaa@...> wrote:
>> >>
>> >> > My 830 receives on 10 meters but Has no output,
>> I
>> >> can not load at all,
>> >> > I have cleaned the band switch. It loads and

>> works
>> >> fine on all other
>> >> > bands, anyone have any suggestion on where to
>> look
>> >> for a problem?
>> >> >
>> >> > Thank you
>> >> >
>> >> > tom
>> >> >
>> >> >
>> >> >
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>> >> >
>> >> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> >> >> vk6jrb@...
>> >> >> 0429 674296
>> >> >>
>> >> >> Using M2, Opera's revolutionary e-mail client:
>> >> >> http://www.opera.com/m2/
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>> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
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>> > =====
>> >
>> > "If in doubt, MODIFY" --k0zl
>> >
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>> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> vk6jrb@...
>> 0429 674296
>>
>> Using M2, Opera's revolutionary e-mail client:
>> http://www.opera.com/m2/
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>> http://groups.yahoo.com/group/TS-520_820_530_830/
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> ~->
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--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

1730. WTB: Kenwood TS-830S inner shipping box & styrofoam inserts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-01 20:20:39 UTC
From: kzerokav
Topic: 1730 Message: 1730

in good to excellent condition. Anyone have them laying around?
Contact:

kavan@...
K0KAV@...

73, Van
K0KAV

1731. Re: [TS-520_820_530_830] TS-830S SSB operation

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-01 22:53:32 UTC
From: Bill K0ZL
Topic: 1657 Message: 1731

Agreed.

My concern is that with no ALC indication, one or more
gain stages are faltering, if the rig is unable to
drive the grids into conduction.

This would indicate component failure or need for
alignment, which may or may not contribute to other
problems.

b

--- Alan Wolke <w2aew@...> wrote:
> Ron,
>
> ALC indication is NOT necessary for you to have good
> RF output. ALC
> only kicks in when you have more mic gain than
> necessary, and the rig is
> adjusting the level to keep the power output under
> control. Ideally,
> your mic gain should be set so that you only see
> small, short duration
> ALC "blips", if any at all. This means you've got
> just the right amount
> of mic drive to achieve full output.
>
> The right way to see if you are producing adequate
> RF is to monitor the
> output power, preferrably with a good peak-reading
> wattmeter (or better
> yet, a monitor scope). If you are getting close to
> 100Wpep, then don't
> worry about the fact that you don't have any ALC
> indication. By the
> way, the RF setting on the 830's meter will show
> average power only - so
> you'll probably only see ~25W indicated on SSB when
> running full power.
>
> 73,
> Alan W2AEW
>
> Ron Maret wrote:
>
> > I finally got an antenna up and I am read to make

> my first contact.
> > I tunned the rig and everything looks fine. After
> the final step of
> > tuning I show IP approx 230ma. I am using a
> Kenwood MC50 mike. When I
> > go on the air I see no movement of the ALC when
> calling CQ. Any
> > comments or suggestions are greatly appreciated.
> Thanks - Ron/WB8WSS
> >
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > * Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of
> > Service.
> >
> --
> Alan Wolke, W2AEW
> "i usta cuDn't speL enjinere, noW i ar wuN"
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1732. Re: [TS-520_820_530_830] Re: Solution to TS-520s no IP current in Tune?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 02:52:00 UTC
From: Eric Webner
Topic: 1694 Message: 1732

Hi Anthony,

I have owned and modified a TS-520 since 1980. One of the mods I did (years ago) involved modifying the fixed channel selector switch (you could put in optional crystals for a favorite frequency) so that it switched between the CW and SSB if filters while in CW mode. This was particularly good if you had a really tight CW filter (mine is 250 Hz wide).

The point of all this is that either the very tight filter or the selector switch mode somehow made it so that I could not use TUNE mode. I can accept that, and I simply tune into a dummy load, then tune briefly on an clear frequency, using CW mode.

Do some digging, and see if such a mod was performed on your rig. Good luck.

73, Eric KA8FAN

Bill K0ZL <coorsbill@...> wrote:
You should see about 10 percent dip in plate current
in either tune or CW modes... Any less indicates
excessive "loading" of the plate tank circuit to the
antenna or dummy load. This is controlled with the
loading capacitor adjustment; CCW is MORE capacity or
LESS loading or MORE plate current dip; CW is the
opposite.

Bill

--- "Anthony L. Mach" <ab9io@...> wrote:
> Hi Bill,
>
> Thanks for the reply. I'm getting a current dip in
> all other modes
> besides tune. In Tune, I'm getting almost no
> current showing on the
> meter to dip. Strange?
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > If you cannot get a dip in plate current in either
> > TUNE or CW mode, try turning the LOADING control
> > counterclockwise.
> >
> > b
> >

> > --- "Anthony L. Mach" <ab9io@l...> wrote:
> > > Hi All,
> > >
> > > My name is Tony (callsign AB9IO), I'm glad to be
> > > with you all!
> > >
> > > My rig is a Kenwood TS-520s. I just set it up
> last
> > > night and made a
> > > QSO, so I know it's working. I don't have any
> > > current dip in Tune
> > > mode though. I've read the posts on this, but I
> > > didn't get anyone
> > > that posted what their solution was. Can anyone
> > > give me a hint on
> > > what's going on with my rig?
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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[Non-text portions of this message have been removed]

1733. Re: [TS-520_820_530_830] TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 03:00:26 UTC
From: Eric Webner
Topic: 1695 Message: 1733

I used to have to simply flip the non-polarized plug around to get rid of the tingling sensation. Its easier, but definitely take Bill's advice and put a real cord (3-prong) on it.

73,

Eric KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Change to a 3-wire AC safety cord, vs the two-wire in use now.

There are two-0.01uF caps from each side of the AC line to the chassis, leaving the chassis at 65 volts AC to ground. Very low current but you can feel it.

You can also hook earth ground to the chassis of the radio before plugging it in. I prefer a 3 wire cord because then it is automatic.

73,

Bill

--- Ron Maret <rmaret@...> wrote:
> When I'am connecting the coax line to my tuner which
> is connected to
> my TS830 I feel a tingle when holding the outside of
> the PL259 and
> touch ing the TS830. Makes me think there is
> current/voltage flowing
> throught the cabinet of the TS830? How can I
> prevent this? Ron/WB8WSS
>
>

=====

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[Non-text portions of this message have been removed]

1734. Re: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 03:04:21 UTC
From: Eric Webner
Topic: 1692 Message: 1734

Hi Bill (sure are a lot of guys on this group named Bill!),

On my TS-520, I have noticed that the bias current always rode at 60 ma on ssb, and 70 on cw. I assumed it was normal.

73,

Eric KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Bias should not change from one mode to the next.

b

--- bill <bill.g4kki@...> wrote:
> Hi All,
> i set my bias to 60ma in the ssb mode, i have just
> noticed that when in
> cw mode it is 70ma, so i have reset it at 60ma in
> cw. Is this normal ? in
> the
> book it says set it to 60ma in ssb but gives no
> mention of cw. As i use cw
> and
> rarely if at all use ssb which mode should it be set
> in.....
> 73 all de Bill G4KKI
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1735. Re: [TS-520_820_530_830] TS-520S power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 03:14:26 UTC
From: Eric Webner
Topic: 1689 Message: 1735

Sounds like the TS-440S has higher compression, resulting in greater average power. The TS-520S processor compression is fixed at about 10 dB, and I think the 440S is adjustable (not sure).

73,

Eric KA8FAN

rcarp5 <rcarp5@...> wrote:
I just received a nice TS-520S in trade and I'm really enjoying the radio. It has a great receiver and I have gotten good on the air reports. I have one question concerning the rf output of the TS-520S that maybe someone can help me with. It seems to load up fine on all bands with about 200 ma plate current dipped and 125 watts carrier into a dummy load. When watching the output on my watt meter (built into my MFJ949 C antenna tuner) I only see about 30-40 watts on voice peaks. When watching the plate current meter on the radio it indicates about 100-125 ma on voice peaks. Maybe this is normal, when I compare it with my TS-440S I get about 100 watts carrier and over 50 watts on the watt meter on voice peaks. This is with the processor on both radios on and keeping within the ALC range. On the air comparisons show that the TS-440S has a stronger signal. Do I need new final amplifier tubes or? Thanks, Larry Carpenter, AA4VI

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[Non-text portions of this message have been removed]

1736. ts 520se to amp connection

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 12:36:17 UTC
From: ka9vaa
Topic: 1736 Message: 1736

How do I make the connection between a kenwood 520se and a dentron gla 1000b amp ? I run the amp from a 830 and it is a plug and play, is there a cable available for the 520 or can one be made to key the amp with the 520 ?

Thank you for any suggestions.

Tom ka9vaa

1737. Re: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 12:54:57 UTC
From: Bill K0ZL
Topic: 1692 Message: 1737

I noticed that the bias increases on an 830 on the
bench as well.. wierd.

b

--- Eric Webner <ka8fan@...> wrote:
> Hi Bill (sure are a lot of guys on this group named
> Bill!),
>
> On my TS-520, I have noticed that the bias current
> always rode at 60 ma on ssb, and 70 on cw. I assumed
> it was normal.
>
> 73,
>
> Eric KA8FAN
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Bias should not change from one mode to the next.
>
> b
>
> --- bill <bill.g4kki@...> wrote:
> > Hi All,
> > i set my bias to 60ma in the ssb mode, i
> have just
> > noticed that when in
> > cw mode it is 70ma, so i have reset it at 60ma in
> > cw. Is this normal ? in
> > the
> > book it says set it to 60ma in ssb but gives no
> > mention of cw. As i use cw
> > and
> > rarely if at all use ssb which mode should it be
> set
> > in.....
> > 73 all de Bill G4KKI
> >
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> =====
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1738. RE: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 16:44:10 UTC
From: bill
Topic: 1692 Message: 1738

Hi Eric,
thanks for that info, i have reset mine at 60ma on cw and it is now about
just over 50ma
on cw, i seem to remember there was a post on here saying you could set the
bias to 50ma.
Still get outputs just the same no problems noticed.....
73
Bill G4KKI

-----Original Message-----
From: Eric Webner [mailto:ka8fan@...]
Sent: 02 June 2004 03:04
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] ts530s bias

Hi Bill (sure are a lot of guys on this group named Bill!),

On my TS-520, I have noticed that the bias current always rode at 60 ma on
ssb, and 70 on cw. I assumed it was normal.

73,

Eric KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Bias should not change from one mode to the next.

b

--- bill <bill.g4kki@...> wrote:
> Hi All,
> i set my bias to 60ma in the ssb mode, i have just
> noticed that when in
> cw mode it is 70ma, so i have reset it at 60ma in
> cw. Is this normal ? in
> the
> book it says set it to 60ma in ssb but gives no
> mention of cw. As i use cw
> and
> rarely if at all use ssb which mode should it be set
> in.....
> 73 all de Bill G4KKI
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1739. RE: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-02 20:19:58 UTC
From: Bill K0ZL
Topic: 1692 Message: 1739

for CW you can actually run zero bias if you want. No
particular reason except to raise your plate
effienciency a little. But don't forget to set it back
before running fone!

b

--- bill <bill.g4kki@...> wrote:
> Hi Eric,
> thanks for that info, i have reset mine at 60ma on
> cw and it is now about
> just over 50ma
> on cw, i seem to remember there was a post on here
> saying you could set the
> bias to 50ma.
> Still get outputs just the same no problems
> noticed.....
> 73
> Bill G4KKI
>
>
>
> -----Original Message-----
> From: Eric Webner [mailto:ka8fan@...]
> Sent: 02 June 2004 03:04
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] ts530s bias
>
>
> Hi Bill (sure are a lot of guys on this group named
> Bill!),
>
> On my TS-520, I have noticed that the bias current
> always rode at 60 ma on
> ssb, and 70 on cw. I assumed it was normal.
>
> 73,
>
> Eric KA8FAN
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Bias should not change from one mode to the next.
>
> b

>
> --- bill <bill.g4kki@...> wrote:
> > Hi All,
> > i set my bias to 60ma in the ssb mode, i
> have just
> > noticed that when in
> > cw mode it is 70ma, so i have reset it at 60ma in
> > cw. Is this normal ? in
> > the
> > book it says set it to 60ma in ssb but gives no
> > mention of cw. As i use cw
> > and
> > rarely if at all use ssb which mode should it be
> set
> > in.....
> > 73 all de Bill G4KKI
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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1740. Re: [TS-520_820_530_830] TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 03:24:26 UTC
From: f x
Topic: 1695 Message: 1740

The line cord mod is pretty simple. I did mine just last evening, by coincidence. On the side of the transformer away from the back wall is an earthing pin... connect the green wire (ground) to that. White to the terminal strip, and black to the fuse holder. I also put in .01 caps @1kv, with parallel MOVs to help with surges... The whole thing from start to finish was less than an hour. Getting the old wire remains out was the hardest part. Next hardest was securing the power cord, as the grommet provided no longer is usable. I did it with tie wraps.. Then I put a ferrite block right at the back of the chassis.. No RF on the power line now. And the rig works just fine.

PS... watch the soldering iron on all the other little wires back there... they are PVC as opposed to the more modern teflon, and will burn easily...

Raleigh

NYOY

Eric Webner <ka8fan@...> wrote:
I used to have to simply flip the non-polarized plug around to get rid of the tingling sensation. Its easier, but definitely take Bill's advice and put a real cord (3-prong) on it.

73,

Eric KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Change to a 3-wire AC safety cord, vs the two-wire in
use now.

There are two-0.01uF caps from each side of the AC
line to the chassis, leaving the chassis at 65 volts
AC to ground. Very low current but you can feel it.

You can also hook earth ground to the chassis of the
radio before plugging it in. I prefer a 3 wire cord
because then it is automatic.

73,

Bill

--- Ron Maret <rmaret@...> wrote:
> When I'am connecting the coax line to my tuner which
> is connected to
> my TS830 I feel a tingle when holding the outside of
> the PL259 and
> touch ing the TS830. Makes me think there is
> current/voltage flowing

> throught the cabinet of the TS830? How can I
> prevent this? Ron/WB8WSS
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1741. Question For VK4KSS Adam

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 04:04:57 UTC
From: pchapman9202003
Topic: 1741 Message: 1741

Adam:

I spent a couple of weeks in Australia a few years ago, but too much time citified type visit. My backcountry experience was the next two weeks that I spent in New Zealand.

Does the Gecko display any particular intelligence, or is there any domestication for them or do they just eat bugs and stuff like Southern U.S. lizards do? They, of course, here, make for great commercials in the animated form. They beat up night monsters and get priority parking,

1742. Re: TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 04:08:06 UTC
From: pchapman9202003
Topic: 1695 Message: 1742

--- The two prong on my 820 is getting frail. Should I follow the same procedue, or look at something a little different?

1743. RE: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 06:14:41 UTC
From: bill
Topic: 1692 Message: 1743

Well at least i know it's not just mine,!
thanks Bill
73
Bill g4kki

1744. Re: RE: [TS-520_820_530_830] ts530s bias

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 07:28:50 UTC
From: Steve
Topic: 1692 Message: 1744

Hi,
My TS520 also does exactly this, ie. set SSB bias to 50ma and when switched to CW it reads 60ma, so you're definately not alone!
Steve. G7KMA

> Message date : Jun 03 2004, 07:16 AM
> From : "bill"
> To : TS-520_820_530_830@yahoogroups.com
> Copy to :
> Subject : RE: [TS-520_820_530_830] ts530s bias
> Well at least i know it's not just mine,!
> thanks Bill
> 73
> Bill g4kki
>
>
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Whatever you Wanadoo:
http://www.wanadoo.co.uk/time/

This email has been checked for most known viruses - find out more at:
http://www.wanadoo.co.uk/help/id/7098.htm

[Non-text portions of this message have been removed]

1745. TS-830S Alignment - VFO Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 12:07:19 UTC
From: bill_graham0
Topic: 1745 Message: 1745

Help!

Performing a TS-830S alignment using the service manual. Step ("Item") #9 ("VCO adjustment and check"). Freq counter connected to TP4, DVM to PLL-TP1. Adjustments are T1-T6 on the PLL (band dependent).

Service manual instructions for this step:
"Check the frequencies at the following points and adjust coils until those given in brackets are obtained".

Two Issues:
1) with the VFO set to the designated points, the measured frequencies are all off +/- 1500 Hz, depending on the setting of the USB/LSB mode select switch (note: the service manual doesn't mention the USB/LSB mode switch setting). Is this correct? An I doing something wrong? Are the frequencies listed in this step supposed to be exact, or just approximate?
2) adjusting the designated coils changes the (DC) voltage measured on PLL-TP1, but has no not affect the measured frequency. Is this normal?

Basically, I cannot adjust the frequencies to the values specified, but I'm not sure the freq values are really the exact targets, or simply approximates.

Is the purpose of this step to really set the DC levels, and the given frequencies are simply approximate, or should I be troubleshooting why the frequencies are off (by +/- 1500 Hz)?

Bill
AG4SI

1746. 520se to dentron amp connection, and filter question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-03 12:24:39 UTC
From: ka9vaa
Topic: 1746 Message: 1746

How do I make the connection between a kenwood 520se and a dentron gla 1000b amp ? I run the amp from a 830 and would like to try it with my 520se, is there a cable available or can one be made to key the amp with the 520 ?

Also, comparing the receive between the 520se with filters and the 830 without in ssb mode the 520 is far better, this is on 40 meters, what if any filters are recomended for the 830 for ssb? the manual list many but they all seem to be for cw mode.

Thank you for any suggestions.

Tom ka9vaa

1747. Re: [TS-520_820_530_830] Re: TS-830S grounding

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-04 00:05:42 UTC
From: f x
Topic: 1695 Message: 1747

Given how easy it really is, I would not worry about replacing with a two wire cord. Only issue is to make sure you deal with the strain relief issue... you will need a binder grommet to hold the new conductor... probably round.. in place.. May have to make the hole slightly larger if you use large conductor wire... otherwise no sweat...

Raleigh

NYOY

pchapman9202003 <p_chap@...> wrote:
--- The two prong on my 820 is getting frail. Should I follow the
same procedue, or look at something a little different?

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[Non-text portions of this message have been removed]

1748. WTB: Kenwood MJ-84 Mic Adaptor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-04 20:45:27 UTC
From: kzerokav
Topic: 1748 Message: 1748

Eight pin to four pin. Reasonable price. Why Oh why did I sell mine a few years ago!

Contact direct at:

kavan@...
k0kav@...

Tks, Van
K0KAV

1749. TS-520 modifications to transmit and receive AM.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 00:15:11 UTC
From: gi3vaf robert
Topic: 1749 Message: 1749

Hi,

I have seen an article 'AM at a pinch from a TS-520'. However, I want to convert my TS-520 to transmit and receive AM properly.
A 6KHz filter was mentioned as an option for AM. These are around but quite expensive.

I can visualise some out there screaming "why on earth would he want to covert it for AM". Well, I am old enough to remember when there was little or no SSB, and it was a joy to listen to 'real voices'.

The rig has to modified to insert a carrier on transmit and remove hetrodyne insertion on receive, with a 6KHz filter. Somewhere out there details of this modification exist, but I can't find them.

Regards

Robert
gi3vaf

1750. Re: [TS-520_820_530_830] TS-520 modifications to transmit and receive AM.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 00:29:23 UTC
From: bunny-dawg
Topic: 1749 Message: 1750

Have you tried www.mods.dk
Robert
VE3 something or other

--- gi3vaf robert <bisto52@...> wrote:
> Hi,
>
> I have seen an article 'AM at a pinch from a
> TS-520'. However, I want
> to convert my TS-520 to transmit and receive AM
> properly.
> A 6KHz filter was mentioned as an option for AM.
> These are around
> but quite expensive.
>
> I can visualise some out there screaming "why on
> earth would he want
> to covert it for AM". Well, I am old enough to
> remember when there
> was little or no SSB, and it was a joy to listen to
> 'real voices'.
>
> The rig has to modified to insert a carrier on
> transmit and remove
> hetrodyne insertion on receive, with a 6KHz filter.
> Somewhere out
> there details of this modification exist, but I
> can't find them.
>
> Regards
>
> Robert
> gi3vaf
>
>
>
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>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it

isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

_____
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1751. Re: WTB: Kenwood MJ-84 Mic Adaptor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 17:29:38 UTC
From: pchapman9202003
Topic: 1748 Message: 1751

http://www.mega-kom.de/eshop/

try denmark

1752. Re: WTB: Kenwood MJ-84 Mic Adaptor

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 17:37:45 UTC
From: kzerokav
Topic: 1748 Message: 1752

Found one. Thanks.

Van,
K0KAV

1753. Re: TS-520 modifications to transmit and receive AM.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 20:46:05 UTC
From: gi3vaf robert
Topic: 1749 Message: 1753

Yes I have looked at that article on www.mods.dk.
The method described doesn't use the 6 MHz filter, so reception is
as SSB.
--- In TS-520_820_530_830@yahoogroups.com, bunny-dawg
<edheenan@y...> wrote:
> Have you tried www.mods.dk
> Robert
> VE3 something or other
>
> --- gi3vaf robert <bisto52@y...> wrote:
> > Hi,
> >
> > I have seen an article 'AM at a pinch from a
> > TS-520'. However, I want
> > to convert my TS-520 to transmit and receive AM
> > properly.
> > A 6KHz filter was mentioned as an option for AM.
> > These are around
> > but quite expensive.
> >
> > I can visualise some out there screaming "why on
> > earth would he want
> > to covert it for AM". Well, I am old enough to
> > remember when there
> > was little or no SSB, and it was a joy to listen to
> > 'real voices'.
> >
> > The rig has to modified to insert a carrier on
> > transmit and remove
> > hetrodyne insertion on receive, with a 6KHz filter.
> > Somewhere out
> > there details of this modification exist, but I
> > can't find them.
> >
> > Regards
> >
> > Robert
> > gi3vaf
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> =====
> Accepting donations of broken or unwanted equipment. I like to
tinker with ham radios. Also if you need a manual for a radio ask
and if i have it i will upload it to "Rube" if it isn't already
there.
> My website which is very much under constrution is
www3.sympatico.ca/r.heenan/index.htm
> Take care
> Robert
>
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> _____
> Do you Yahoo!?
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1754. help please Trio PF-810

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 22:53:51 UTC
From: bill
Topic: 1749 Message: 1754

Hello All,
I know this is not TS530 ETC BUT CAN ANYONE HELP PLEASE?
i have just picked up an imaculate Trio SWR/POWER meter, it is a PF-810
Has anyone in the group got any info on this by any chance, done a search of the net but all
i could find was a picture of it. I would like to try and get hold of a manual for it, or a decscription
of its functuion switch. I know what swr, power, cal, ref is but what is RAD ?

Mnay thanks
73 de Bill G4KKI

1755. Repairing Kenwoods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-06 14:41:39 UTC
From: Bill
Topic: 1755 Message: 1755

I am in the process of repairing (3) Kenwood 820s's. One is done. The one standing on end. Found the intermittent problem with the display.

Rock solid, cleaned up and lubricated. Found wonderful contact cleaner and metal cleaner. I am starting to know these units quite well.

Works well, 100 watts out on all bands. Tomorrow, the other one with a display problem also.

K2WH

[Non-text portions of this message have been removed]

1756. 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 02:21:44 UTC
From: greg@taralakes.net
Topic: 1756 Message: 1756

I would be interested to know any of your experiences of replacing the subject mentioned FET from various parts of a Kenwood 599D receiver (assuming it was used in 830,530,520,etc or similar vintage units) with a NTE222 or other ?? Or is there a better alternative part? Kenwood's parts site says it is discontinued with no substitute mentioned.

Thanks in advance,
Greg
N4EN

1757. Re: [TS-520_820_530_830] 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 03:44:49 UTC
From: bunny-dawg
Topic: 1756 Message: 1757

Greg you may want to check out the nte data sheets.
They both crossreference to 3sk22.
I managed to purchase some obselete parts at a company
called tiptop electronics. If you need their 800 #
let me know.

http://www.nteinc.com/specs/200to299/NTE222.html

http://www.nteinc.com/specs/400to499/NTE454.html

Robert
VE3 something or other

--- greg@... wrote:
> I would be interested to know any of your
> experiences of replacing the
> subject mentioned FET from various parts of a
> Kenwood 599D receiver
> (assuming it was used in 830,530,520,etc or similar
> vintage units)
> with a NTE222 or other ?? Or is there a better
> alternative part?
> Kenwood's parts site says it is discontinued with no
> substitute
> mentioned.
>
> Thanks in advance,
> Greg
> N4EN
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

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1758. Re: [TS-520_820_530_830] 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 06:38:40 UTC
From: Peter A Markavage
Topic: 1756 Message: 1758

40673 and 3N200 will also work.

Pete, wa2cwa

On Sun, 06 Jun 2004 22:21:44 -0400 (EDT) greg@... writes:
I would be interested to know any of your experiences of replacing the
subject mentioned FET from various parts of a Kenwood 599D receiver
(assuming it was used in 830,530,520,etc or similar vintage units)
with a NTE222 or other ?? Or is there a better alternative part?
Kenwood's parts site says it is discontinued with no substitute
mentioned.

Thanks in advance,
Greg
N4EN

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1759. Re: [TS-520_820_530_830] Repairing Kenwoods

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 12:49:19 UTC
From: Bill K0ZL
Topic: 1755 Message: 1759

What cleaner are you using?

We have had great results with Cailube and DeOxIt

b

--- Bill <k2wh@...> wrote:
> I am in the process of repairing (3) Kenwood 820s's.
> One is done. The
> one standing on end. Found the intermittent problem
> with the display.
>
> Rock solid, cleaned up and lubricated. Found
> wonderful contact cleaner
> and metal cleaner. I am starting to know these units
> quite well.
>
> Works well, 100 watts out on all bands. Tomorrow,
> the other one with a
> display problem also.
>
> K2WH
>
>
>
> [Non-text portions of this message have been
> removed]
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>

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"If in doubt, MODIFY" --k0zl

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1760. Re: [TS-520_820_530_830] help please Trio PF-810

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 13:09:20 UTC
From: Bill K0ZL
Topic: 1749 Message: 1760

Ah, it's a home radiation detector! hehe... just
kidding.

If it has a small threaded bushing on top, that's
probably the field strength function "radiation"...
maybe switches from the reflectometer inside to the
external whip antenna.

Just guessin'.

b

--- bill <bill.g4kki@...> wrote:
>
>
> Hello All,
> I know this is not TS530 ETC BUT CAN ANYONE HELP
> PLEASE?
> i have just picked up an imaculate Trio SWR/POWER
> meter, it is a PF-810
> Has anyone in the group got any info on this by any
> chance, done a search of
> the net but all
> i could find was a picture of it. I would like to
> try and get hold of a
> manual for it, or a decscription
> of its functuion switch. I know what swr, power,
> cal, ref is but what is RAD
> ?
>
> Mnay thanks
> 73 de Bill G4KKI
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1761. Re: [TS-520_820_530_830] 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 13:31:13 UTC
From: Bill K0ZL
Topic: 1756 Message: 1761

If that is a can with four legs, use the 40673. If
it's the flat pack with four legs that are flat
instead of round wire, use the 3SK74S

b

--- greg@... wrote:
> I would be interested to know any of your
> experiences of replacing the
> subject mentioned FET from various parts of a
> Kenwood 599D receiver
> (assuming it was used in 830,530,520,etc or similar
> vintage units)
> with a NTE222 or other ?? Or is there a better
> alternative part?
> Kenwood's parts site says it is discontinued with no
> substitute
> mentioned.
>
> Thanks in advance,
> Greg
> N4EN
>

=====

"If in doubt, MODIFY" --k0zl

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1762. Re: [TS-520_820_530_830] 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 13:33:39 UTC
From: Bill K0ZL
Topic: 1756 Message: 1762

RELATED site:

http://www.radiomods.co.nz/kenwood/kenwoodr599.html

--- greg@... wrote:
> I would be interested to know any of your
> experiences of replacing the
> subject mentioned FET from various parts of a
> Kenwood 599D receiver
> (assuming it was used in 830,530,520,etc or similar
> vintage units)
> with a NTE222 or other ?? Or is there a better
> alternative part?
> Kenwood's parts site says it is discontinued with no
> substitute
> mentioned.
>
> Thanks in advance,
> Greg
> N4EN
>

=====

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1763. Re: [TS-520_820_530_830] 3SK22(GR)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 13:39:13 UTC
From: Bill K0ZL
Topic: 1756 Message: 1763

Robert, you are such a blessing to this group.

b

--- bunny-dawg <edheenan@...> wrote:
> Greg you may want to check out the nte data sheets.
> They both crossreference to 3sk22.
> I managed to purchase some obselete parts at a
> company
> called tiptop electronics. If you need their 800 #
> let me know.
...

=====

"If in doubt, MODIFY" --k0zl

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1764. Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 20:57:29 UTC
From: k2wh_bill
Topic: 1764 Message: 1764

Has anyone made of list of the most common screw sizes and threads of the screws used on Kenwood equipment? I am changing old rusted ones for new shiny ones and it seems there may be as many as (4) different types or sizes. Sheet metal inside, dress inside and outside. I think they may be metric?

K2WH

1765. Re: [TS-520_820_530_830] Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 22:44:02 UTC
From: bunny-dawg
Topic: 1764 Message: 1765

Bill I'm guessing that info would be in your service
manual. Look under the parts list or disassembly
information. You didn't really say what the kenwood
rig is tho or i would have looked for it for you.
Let me know if you have the service manual for the rig
you are working on too.
Robert
VE3 something or other.
P.S. Thanks for the compliment Bill, No not that Bill
the other one.

--- k2wh_bill <k2wh@...> wrote:
> Has anyone made of list of the most common screw
> sizes and threads
> of the screws used on Kenwood equipment? I am
> changing old rusted
> ones for new shiny ones and it seems there may be as
> many as (4)
> different types or sizes. Sheet metal inside, dress
> inside and
> outside. I think they may be metric?
>
> K2WH
>
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

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1766. RE: [TS-520_820_530_830] Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 14:27:21 UTC
From: Bill
Topic: 1764 Message: 1766

Good point but, nothing in the service manual on the screw types, sizes
etc.

Thanks anyway.

K2WH

-----Original Message-----
From: bunny-dawg [mailto:edheenan@...]
Sent: Tuesday, June 08, 2004 4:44 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Screws Sizes

Bill I'm guessing that info would be in your service
manual. Look under the parts list or disassembly
information. You didn't really say what the kenwood
rig is tho or i would have looked for it for you.
Let me know if you have the service manual for the rig
you are working on too.
Robert
VE3 something or other.
P.S. Thanks for the compliment Bill, No not that Bill
the other one.

--- k2wh_bill <k2wh@...> wrote:
> Has anyone made of list of the most common screw
> sizes and threads
> of the screws used on Kenwood equipment? I am
> changing old rusted
> ones for new shiny ones and it seems there may be as
> many as (4)
> different types or sizes. Sheet metal inside, dress
> inside and
> outside. I think they may be metric?
>
> K2WH
>
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker
with ham radios. Also if you need a manual for a radio ask and if i
have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is
www3.sympatico.ca/r.heenan/index.htm
Take care

Robert

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<http://rd.yahoo.com/SIG=129jhacsp/M=298184.5022502.6152625.3001176/D=groups/S=1705063108:HM/EXP=1086734645/A=2164330/R=0/SIG=11eamf8g4/*http://www.netflix.com/Default?mqso=60183350> click here

<http://us.adserver.yahoo.com/l?M=298184.5022502.6152625.3001176/D=groups/S=:HM/A=2164330/rand=303788171>

Yahoo! Groups Links

* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of
Service <http://docs.yahoo.com/info/terms/> .

[Non-text portions of this message have been removed]

1767. Re: [TS-520_820_530_830] Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 01:36:37 UTC
From: Bill K0ZL
Topic: 1764 Message: 1767

They are metric. The cover screws are M4x8 pan-head,
phillips head machine screws. I think the major hdw
stores will have them; if not, order N35-4008-41 from
Pac. Coast or East Coast Parts.

b

--- k2wh_bill <k2wh@...> wrote:
> Has anyone made of list of the most common screw
> sizes and threads
> of the screws used on Kenwood equipment? I am
> changing old rusted
> ones for new shiny ones and it seems there may be as
> many as (4)
> different types or sizes. Sheet metal inside, dress
> inside and
> outside. I think they may be metric?
>
> K2WH
>
>

=====

"If in doubt, MODIFY" --k0zl

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1768. Digital Display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-07 14:51:57 UTC
From: Bill
Topic: 1768 Message: 1768

Heres one. In my efforts to get multiple Kenwood 802s's going, I have one difficult one
and of course it is the digital display. After cleaning everything in the rig meaning all
multiple pin connectors, solder paths, ground connections (in the counter box) I get a
totally blank display. I have other ts-820s which went through the same regiment and
the displays came back nicely. Not this one though.

Receiver and transmitter work fine. Everything but the display. Looking in the service
manual for voltage levels, at the output connector for the display tube, I find almost all
the pins have -25 volts DC on them. Looking at the schematic, this seems to be correct
at least for the display voltages and segment information. The supply line coming off D16,
a zener diode (don't know real voltage here), is split between RB1 & RB2. Under no load,
these voltage should be correct. I think it is line "DP" that is reading about 5vdc.

My question is this: Does anyone know what the voltages should be on the display tube
connector and, how does one know if the display tube is bad, and how does one go about
and test the display tube?

K2WH

[Non-text portions of this message have been removed]

1769. Re: [TS-520_820_530_830] Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 02:41:07 UTC
From: Jason Creager
Topic: 1764 Message: 1769

There's a guy who was selling 520 screw sets on eBay for $8. Not too bad of a price with gas costing $2 a gallon. :-)

-

==========

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1770. Re: [TS-520_820_530_830] Screws Sizes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 03:00:24 UTC
From: Bill K0ZL
Topic: 1764 Message: 1770

Good deal if that's with shipping.

Pac coast wants 0.13 each but there is a minimum I
think

b

--- Jason Creager <jason@...> wrote:
> There's a guy who was selling 520 screw sets on eBay
> for $8. Not too bad of
> a price with gas costing $2 a gallon. :-)
> -
>
==========
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> Vegas, NV
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1771. TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 03:13:31 UTC
From: neoshomi@yahoo.com
Topic: 1705 Message: 1771

I have an 820S. What is the difference between an 830S and an 820S??
TNX jerry AC0AJ

1772. Re: [TS-520_820_530_830] TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 04:02:05 UTC
From: Bill K0ZL
Topic: 1705 Message: 1772

Smaller and lighter; integrated counter instead of
discrete; simpler PLL/VCO loops, simpler IF deck but
loss of no functionality or performance. Same physical
size as a 530.

b

--- neoshomi@... wrote:
> I have an 820S. What is the difference between an
> 830S and an 820S??
> TNX jerry AC0AJ
>
>

=====

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1773. Re: 820s/830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 12:23:20 UTC
From: james27613@att.net
Topic: 1773 Message: 1773

Hi

830 double conversion right?

73 james

Message: 13
Date: Tue, 08 Jun 2004 03:13:31 -0000
From: neoshomi@...
Subject: TS820S

I have an 820S. What is the difference between an 830S and an 820S??
TNX jerry AC0AJ

Message: 14
Date: Mon, 7 Jun 2004 21:02:05 -0700 (PDT)
From: Bill K0ZL <coorsbill@...>
Subject: Re: TS820S

Smaller and lighter; integrated counter instead of
discrete; simpler PLL/VCO loops, simpler IF deck but
loss of no functionality or performance. Same physical
size as a 530.

b

1774. Cover Screws

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 14:37:33 UTC
From: k2wh_bill
Topic: 1774 Message: 1774

Did a little research on the screw issue with the Kenwoods. McMaster Carr, has the cover screws, stainless steel for $8.97 per 100 or $.08 per screw. So the guy on Ebay is making good money (if you want to take the time to do it).

East Coast Parts wants $.25 for each screw.

Of course, there probably is a minimum order. I believe McMaster-Carr is $ 25.00. I have an open account with McMaster-Carr and just ordered 200 of the cover screws. If anyone wants any let me know (free).

K2WH

1775. Re: TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-08 22:44:51 UTC
From: pchapman9202003
Topic: 1705 Message: 1775

I think the 830 also has warc bands, as well, but I do like my 820.

If you are aware of the few flaky things, as with every piece of gear out there, you should love it.

I think the two biggest outside of wear and tear would be the T/R relay (that I have a secret source for brand new ones) and the display issue. There was a replacement part for it, but has been discontinued sometime in the last four years.

1776. Plate tuning indicator

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-09 00:31:31 UTC
From: kzerokav
Topic: 1776 Message: 1776

Does anyone on the group know of a possible source for the Plate Tuning Indicator (clear plastic w/red line)on the 530/830 series radios? I broke one of mine in half (glued back together okay) but sure would like to have a spare around.

Tks,
Van - K0KAV

1777. Re: [TS-520_820_530_830] Digest Number 425

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-09 13:32:48 UTC
From: james27613@att.net
Topic: 1777 Message: 1777

hi Van,

part b21-0501-04 pointer

shows discontinued at east coast
http://www.kenwoodparts.com

73 james

Date: Wed, 09 Jun 2004 00:31:31 -0000
From: "kzerokav" <k0kav@...>
Subject: Plate tuning indicator

Does anyone on the group know of a possible source for the Plate
Tuning Indicator (clear plastic w/red line)on the 530/830 series
radios? I broke one of mine in half (glued back together okay) but
sure would like to have a spare around.

Tks,
Van - K0KAV

1778. band switch not working what did I do???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-10 16:41:12 UTC
From: wohtex
Topic: 1778 Message: 1778

Hi, I used some de-oxit to clean the pots and band switch in my TS-830 now I have a problem. when I turn on the radio, lets say its set to 14300.0 everything seems to come on but if I use the main tuning dial to say change to 14305.0 it changes but the digital display stays at 14300.0, if I turn off the power and back on it will then go to the new 14305.0. in addition if I change the band to 3.8 the display will stay on 14.300 if I turn power off and on then it will show the 3.8. its like this across the board all bands. did I wash some dirt down into something or what???????

73
Bill N5CCQ

1779. NTIA Staff Directory - May 2004

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-10 06:37:50 UTC
From: Bill
Topic: 1779 Message: 1779

In case you want to send an email to anyone of these
people who now say BPL could reduce interference. Makes
you wonder doesn't it.

K2WH

http://www.ntia.doc.gov/ntiahome/phones.htm

[Non-text portions of this message have been removed]

1780. Re: [TS-520_820_530_830] band switch not working what did I do???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-10 19:34:14 UTC
From: Bill K0ZL
Topic: 1778 Message: 1780

Clean the DH (Data Hold) switch again. It's probably
stuck.

On problem with cleaning switches is sometimes we also
remove the lubricant and the little catch and release
levers quit working right.
b

--- wohtex <wh1944@...> wrote:
> Hi, I used some de-oxit to clean the pots and band
> switch in my TS-830
> now I have a problem. when I turn on the radio,
> lets say its set to
> 14300.0 everything seems to come on but if I use the
> main tuning dial
> to say change to 14305.0 it changes but the digital
> display stays at
> 14300.0, if I turn off the power and back on it will
> then go to the
> new 14305.0. in addition if I change the band to
> 3.8 the display will
> stay on 14.300 if I turn power off and on then it
> will show the 3.8.
> its like this across the board all bands. did I
> wash some dirt down
> into something or what???????
>
> 73
> Bill N5CCQ
>
>

=====

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1781. Re: band switch not working what did I do???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-10 22:29:34 UTC
From: wohtex
Topic: 1778 Message: 1781

that was it, thanks a million. glad it was something simple I was all ready looking at prices of rf units and thats almost what the radio cost.

73
Bill N5CCQ

1782. Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-10 23:30:42 UTC
From: Jason Creager
Topic: 1778 Message: 1782

Hi there,

Does anyone have a cheap microphone for a 520? My rig arrived today with no mic and no external digital display as I was expecting. (It has the hookups for the digital display, but the ad did not say "digital display ready" or "adaptor".)

Any recommendations if no one on the list has one for sale?

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1783. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 00:05:44 UTC
From: radionut
Topic: 1778 Message: 1783

---> My reply to what Jason Creager wrote 6/10/2004 6:30:42 PM

You might want to check e-bay

---------- Original Message -----------

Hi there,

Does anyone have a cheap microphone for a 520? My rig arrived today with no mic and no external digital display as I was expecting. (It has the hookups for the digital display, but the ad did not say "digital display ready" or "adaptor".)

Any recommendations if no one on the list has one for sale?

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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Yahoo! Groups Links

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

1784. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 00:33:30 UTC
From: Jason Creager
Topic: 1778 Message: 1784

On 6/10/04 at 7:05 PM radionut wrote:

>You might want to check e-bay

That was the reason for the original post.
-
==========
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1785. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 00:55:42 UTC
From: radionut
Topic: 1778 Message: 1785

---> My reply to what Jason Creager wrote 6/10/2004 7:33:30 PM

There are a few DG-5's and mics around from time to time on local lists
but I have found e-bay is still the most consistant source. I have found
a number of them on there.

---------- Original Message -----------

On 6/10/04 at 7:05 PM radionut wrote:

>You might want to check e-bay

That was the reason for the original post.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

1786. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 02:04:51 UTC
From: jason@creager.com
Topic: 1778 Message: 1786

Are those original Kenwood mics "$65 good" for audio
quality or are they more of an "original station" item?

1787. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 02:10:29 UTC
From: Bill K0ZL
Topic: 1778 Message: 1787

Use a CB mic with a lo-to-hi z transformer from Rat
Shack.

b

--- Jason Creager <jason@...> wrote:
> Hi there,
>
> Does anyone have a cheap microphone for a 520? My
> rig arrived today with no
> mic and no external digital display as I was
> expecting. (It has the hookups
> for the digital display, but the ad did not say
> "digital display ready" or
> "adaptor".)
>
> Any recommendations if no one on the list has one
> for sale?
>
> Thanks,
> Jason
> -
>
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> Vegas, NV
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1788. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 02:21:56 UTC
From: Bill K0ZL
Topic: 1778 Message: 1788

The MC-60 was the desk mic sold for the 520-530 etc
series, and has selectable hi and low impedance. They
run from 50 to 80 bux on ebay.

The CB mic and transformer will run you a lot less, is
available now but will require some soldering.

b

--- Jason Creager <jason@...> wrote:
> On 6/10/04 at 7:05 PM radionut wrote:
>
> >You might want to check e-bay
>
> That was the reason for the original post.
> -
>
==========
> http://jason.creager.com kc0erg@... Las
> Vegas, NV
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1789. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 02:24:39 UTC
From: Bill K0ZL
Topic: 1778 Message: 1789

They sound pretty good. Get on the air and I'll show
ya... where are you?

b

--- jason@... wrote:
> Are those original Kenwood mics "$65 good" for audio
> quality or are they more of an "original station"
> item?
>

=====

"If in doubt, MODIFY" --k0zl

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1790. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 04:15:20 UTC
From: jason@creager.com
Topic: 1778 Message: 1790

On Thu, 10 Jun 2004 19:24:39 -0700 (PDT), Bill K0ZL
wrote:

> They sound pretty good. Get on the air and I'll show
> ya... where are you?

I'm in Las Vegas. Currently don't have an antenna up
yet, but will have a G5RV by this weekend and a Hy-Gain
7DXXwhatever on a tower by the end of summer. Looking
forward to actually using this General ticket that I've
had for probably close to two years by making a first
HF contact.

It'd be cool to have a complete Kenwood station, for
sure, but I'm one of those "well, if I'm going to spend
$75, what can I get for a little more?" kind of people.
So, if I could get a great sounding mic (Heil?)for a
little more, then I'll just save my pennies.

THanks,
Jason

1791. RE: [TS-520_820_530_830] help please Trio PF-810

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 08:04:12 UTC
From: bill
Topic: 1749 Message: 1791

Hi Bill,
i have managed to get hold of a manual for the PF-810
and the RAD position is a very nice feature on it. It gives a reading
which shows the Power out minus the refracted (japanese manaul !) power.
It actually says " At the RAD (radiant) position, radiant power, that is
forward power minus refraction power(RAD=FWD-REF), is measured on the
meter.In the absence of
refraction, the reading of FWD is practically equal to that of RAD."
Just thought i'd let you know, if anyone ever needs a manual for one i have
now got it in pdf format.

73 de Bill G4KKI

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: 07 June 2004 13:09
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] help please Trio PF-810

Ah, it's a home radiation detector! hehe... just
kidding.

If it has a small threaded bushing on top, that's
probably the field strength function "radiation"...
maybe switches from the reflectometer inside to the
external whip antenna.

Just guessin'.

b

--- bill <bill.g4kki@...> wrote:
>
>
> Hello All,
> I know this is not TS530 ETC BUT CAN ANYONE HELP
> PLEASE?
> i have just picked up an imaculate Trio SWR/POWER
> meter, it is a PF-810
> Has anyone in the group got any info on this by any
> chance, done a search of
> the net but all
> i could find was a picture of it. I would like to
> try and get hold of a
> manual for it, or a decscription
> of its functuion switch. I know what swr, power,
> cal, ref is but what is RAD

> ?
>
> Mnay thanks
> 73 de Bill G4KKI
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1792. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 09:41:43 UTC
From: NORM FUSARO
Topic: 1778 Message: 1792

Heil Goldline.

73,
Norm, W3IZ

----- Original Message -----
From: jason@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, June 11, 2004 12:15 AM
Subject: Re: [TS-520_820_530_830] Cheap Mic???

On Thu, 10 Jun 2004 19:24:39 -0700 (PDT), Bill K0ZL
wrote:

> They sound pretty good. Get on the air and I'll show
> ya... where are you?

I'm in Las Vegas. Currently don't have an antenna up
yet, but will have a G5RV by this weekend and a Hy-Gain
7DXXwhatever on a tower by the end of summer. Looking
forward to actually using this General ticket that I've
had for probably close to two years by making a first
HF contact.

It'd be cool to have a complete Kenwood station, for
sure, but I'm one of those "well, if I'm going to spend
$75, what can I get for a little more?" kind of people.
So, if I could get a great sounding mic (Heil?)for a
little more, then I'll just save my pennies.

THanks,
Jason

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c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1793. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 14:01:45 UTC
From: Bill K0ZL
Topic: 1778 Message: 1793

Get the Heil HC-4 or HC-5 element and stick it in a mic of some type, maybe bought from hamfest or whatever. Then get you a lo to hi-z transformer and crank 'er up... probably do the whole thing for under $40.00.

Also if you can find an Astatic mic with the 10DA head (the bullet, not the lollipop D-104), that will give you great SSB audio.

Or find a "dead" D104, and put a Heil element in it. I did that for a local guy and he loves it.

b

--- jason@... wrote:
> On Thu, 10 Jun 2004 19:24:39 -0700 (PDT), Bill K0ZL
> wrote:
>
> > They sound pretty good. Get on the air and I'll
> show
> > ya... where are you?
>
> I'm in Las Vegas. Currently don't have an antenna up
> yet, but will have a G5RV by this weekend and a
> Hy-Gain
> 7DXXwhatever on a tower by the end of summer.
> Looking
> forward to actually using this General ticket that
> I've
> had for probably close to two years by making a
> first
> HF contact.
>
> It'd be cool to have a complete Kenwood station, for
> sure, but I'm one of those "well, if I'm going to
> spend
> $75, what can I get for a little more?" kind of
> people.
> So, if I could get a great sounding mic (Heil?)for a
> little more, then I'll just save my pennies.
>
> THanks,
> Jason
>

=====

"If in doubt, MODIFY" --k0zl

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1794. Re: Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 18:18:06 UTC
From: pchapman9202003
Topic: 1778 Message: 1794

Another thing you can do is to get a studio mike, like a Heil, which is not all that expensive. I have a Heil ICM for my Icom 718. I converted an old architect lamp by pulling the head off of it, mounting an SO-239, which has perfect threading for the stand adaptor, and put in some stronger springs. So by using houshold junk, came up what I think equals a $100 or more fully adjustable boom.

1795. Re: [TS-520_820_530_830] Re: Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 18:45:09 UTC
From: Paul Manuel
Topic: 1778 Message: 1795

--- pchapman9202003 <p_chap@...> wrote:
> Another thing you can do is to get a studio mike, like a Heil, which
> is not all that expensive.

In my 30 years of broadcast radio I have never seen a Heil mic in a
studio.
73,
Paul K4PDM

_____
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http://messenger.yahoo.com/

1796. Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:38:24 UTC
From: k2wh_bill
Topic: 1796 Message: 1796

Cleaning up a bunch of "K" rigs and accessories. I have a group of external VFO's, 820's 520's etc and I noticed I have both a TS-520 vfo and a 520s VFO. They look very different from the outside.

It occured to me, I do not know the difference between the rigs. Was there a TS-520S? I know there was/is a 520se but what about the 520s.

K2WH

1797. Re: [TS-520_820_530_830] Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:42:42 UTC
From: Keith V
Topic: 1796 Message: 1797

Yes, there was.

Van,
K0KAV

----- Original Message -----
From: "k2wh_bill" <k2wh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, June 11, 2004 3:38 PM
Subject: [TS-520_820_530_830] Kenwood Rig Designations

> Cleaning up a bunch of "K" rigs and accessories. I have a group of
> external VFO's, 820's 520's etc and I noticed I have both a TS-520
> vfo and a 520s VFO. They look very different from the outside.
>
> It occured to me, I do not know the difference between the rigs. Was
> there a TS-520S? I know there was/is a 520se but what about the 520s.
>
> K2WH
>
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> Yahoo! Groups Links
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1798. Re: [TS-520_820_530_830] Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:41:31 UTC
From: KD5SFA
Topic: 1796 Message: 1798

Yes there is a 520s.
It is a very fine rig.
I have one that I like a great deal..I could use a external 520s vfo though ;)

73,
Jon
KD5SFA
-----Original Message-----
From: k2wh_bill <k2wh@...>
Sent: Jun 11, 2004 4:38 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Kenwood Rig Designations

Cleaning up a bunch of "K" rigs and accessories. I have a group of
external VFO's, 820's 520's etc and I noticed I have both a TS-520
vfo and a 520s VFO. They look very different from the outside.

It occured to me, I do not know the difference between the rigs. Was
there a TS-520S? I know there was/is a 520se but what about the 520s.

K2WH

Yahoo! Groups Links

1799. Re: Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:44:17 UTC
From: k2wh_bill
Topic: 1796 Message: 1799

What are the differences between the 520 and the 520s?

K2WH

--- In TS-520_820_530_830@yahoogroups.com, "Keith V" <k0kav@a...>
wrote:
> Yes, there was.
>
> Van,
> K0KAV
>
> ----- Original Message -----
> From: "k2wh_bill" <k2wh@o...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Friday, June 11, 2004 3:38 PM
> Subject: [TS-520_820_530_830] Kenwood Rig Designations
>
>
> > Cleaning up a bunch of "K" rigs and accessories. I have a group
of
> > external VFO's, 820's 520's etc and I noticed I have both a TS-
520
> > vfo and a 520s VFO. They look very different from the outside.
> >
> > It occured to me, I do not know the difference between the rigs.
Was
> > there a TS-520S? I know there was/is a 520se but what about the
520s.
> >
> > K2WH
> >
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> >
> > Yahoo! Groups Links
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> >

1800. Re: [TS-520_820_530_830] Re: Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:51:52 UTC
From: KD5SFA
Topic: 1796 Message: 1800

I think the 520 only did 10m - 80m with no WARC bands if I recall correctly.
The 520s adds 160m.

73,
Jon
KD5SFA

-----Original Message-----
From: k2wh_bill <k2wh@...>
Sent: Jun 11, 2004 4:44 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Kenwood Rig Designations

What are the differences between the 520 and the 520s?

K2WH

--- In TS-520_820_530_830@yahoogroups.com, "Keith V" <k0kav@a...>
wrote:
> Yes, there was.
>
> Van,
> K0KAV
>
> ----- Original Message -----
> From: "k2wh_bill" <k2wh@o...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Friday, June 11, 2004 3:38 PM
> Subject: [TS-520_820_530_830] Kenwood Rig Designations
>
>
> > Cleaning up a bunch of "K" rigs and accessories. I have a group
of
> > external VFO's, 820's 520's etc and I noticed I have both a TS-
520
> > vfo and a 520s VFO. They look very different from the outside.
> >
> > It occured to me, I do not know the difference between the rigs.
Was
> > there a TS-520S? I know there was/is a 520se but what about the
520s.
> >
> > K2WH
> >
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> > Yahoo! Groups Links
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Yahoo! Groups Links

1801. Re: [TS-520_820_530_830] Re: Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 20:57:37 UTC
From: Jason Creager
Topic: 1796 Message: 1801

On 6/11/04 at 4:51 PM KD5SFA wrote:

>I think the 520 only did 10m - 80m with no WARC bands if I recall
>correctly.
>The 520s adds 160m.

It also adds the outputs for the Kenwood digital display. Other than that,
I've been told they're pretty much the same.

K2WH/Bill, now that I have my 520, I'd be very interested in a VFO-520,
SP-520, or mic if you want to part with them.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1802. Re: [TS-520_820_530_830] Re: Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 21:14:59 UTC
From: Keith V
Topic: 1796 Message: 1802

do a google search on TS-520 and you will find a swedish site (it loads slow) with the info on both rigs and accessories.

Van,
K0KAV

----- Original Message -----
From: "k2wh_bill" <k2wh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, June 11, 2004 3:44 PM
Subject: [TS-520_820_530_830] Re: Kenwood Rig Designations

> What are the differences between the 520 and the 520s?
>
> K2WH
>
> --- In TS-520_820_530_830@yahoogroups.com, "Keith V" <k0kav@a...>
> wrote:
> > Yes, there was.
> >
> > Van,
> > K0KAV
> >
> > ----- Original Message -----
> > From: "k2wh_bill" <k2wh@o...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Friday, June 11, 2004 3:38 PM
> > Subject: [TS-520_820_530_830] Kenwood Rig Designations
> >
> >
> > > Cleaning up a bunch of "K" rigs and accessories. I have a group
> of
> > > external VFO's, 820's 520's etc and I noticed I have both a TS-
> 520
> > > vfo and a 520s VFO. They look very different from the outside.
> > >
> > > It occured to me, I do not know the difference between the rigs.
> Was
> > > there a TS-520S? I know there was/is a 520se but what about the
> 520s.
> > >
> > > K2WH
> > >
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1803. Re: [TS-520_820_530_830] Re: Kenwood Rig Designations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 21:47:40 UTC
From: Bill K0ZL
Topic: 1796 Message: 1803

The schematics are quite different also. The 520 had
hard-wired tube sockets and the 520S a PC board; it's
like two different rigs. They both perform quite
well.

b

--- KD5SFA <divenut1@...> wrote:
> I think the 520 only did 10m - 80m with no WARC
> bands if I recall correctly.
> The 520s adds 160m.
>
> 73,
> Jon
> KD5SFA
>
> -----Original Message-----
> From: k2wh_bill <k2wh@...>
> Sent: Jun 11, 2004 4:44 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: Kenwood Rig
> Designations
>
> What are the differences between the 520 and the
> 520s?
>
> K2WH
>
> --- In TS-520_820_530_830@yahoogroups.com, "Keith V"
> <k0kav@a...>
> wrote:
> > Yes, there was.
> >
> > Van,
> > K0KAV
> >
> > ----- Original Message -----
> > From: "k2wh_bill" <k2wh@o...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Friday, June 11, 2004 3:38 PM
> > Subject: [TS-520_820_530_830] Kenwood Rig
> Designations
> >
> >
> > > Cleaning up a bunch of "K" rigs and accessories.

> I have a group
> of
> > > external VFO's, 820's 520's etc and I noticed I
> have both a TS-
> 520
> > > vfo and a 520s VFO. They look very different
> from the outside.
> > >
> > > It occured to me, I do not know the difference
> between the rigs.
> Was
> > > there a TS-520S? I know there was/is a 520se
> but what about the
> 520s.
> > >
> > > K2WH
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"If in doubt, MODIFY" --k0zl

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1804. Re: Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-12 02:46:33 UTC
From: pchapman9202003
Topic: 1778 Message: 1804

I will stand corrected for improper description. It is a hand held that should either be connected to a boom or a stand. When on a stand it looks like a mike from an old Johnny Carson show or one that belongs in a stand for stand up comics or whatever. Any way, go to the Heil web page and take a look at the ICM mike. They can be had at a hamfest for about 75 bucks and they work well with the switch, foot switch, VOX or whatever. It was the idea of the homemade boom I was trying to get across, and apoligize for the use of studio in my description. The original poster would not want the ICM but I think they make others in the same physical form.

1805. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-12 08:36:46 UTC
From: John Blake
Topic: 1805 Message: 1805

Hi all, have just discovered, by listening to a known local beacon, that my digital display on my 530s reads 2 khz high. I listen to a beacon on 28.200, but to hear it I have to tune to 28.198. I have done the re calabrate thing with the trim pot, but I am still 2 khz out. Does anyone have any clues or should I just live with it and do the adjustment in my head.
I have checked this also with other know beacons, transmissions as well.

--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

1806. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-12 12:22:31 UTC
From: Bill K0ZL
Topic: 1805 Message: 1806

Have you tried adjusting the reference oscillator on
the PLL unit?

b

--- John Blake <vk6jrb@...> wrote:
> Hi all, have just discovered, by listening to a
> known local beacon, that my
> digital display on my 530s reads 2 khz high. I
> listen to a beacon on
> 28.200, but to hear it I have to tune to 28.198. I
> have done the re
> calabrate thing with the trim pot, but I am still 2
> khz out. Does anyone
> have any clues or should I just live with it and do
> the adjustment in my
> head.
> I have checked this also with other know beacons,
> transmissions as well.
>
> --
> John Blake VK6JRB / Fists 9054 / CWQRP 614
> vk6jrb@...
> 0429 674296
>
> Using M2, Opera's revolutionary e-mail client:
> http://www.opera.com/m2/
>
>
> --
> John Blake VK6JRB / Fists 9054 / CWQRP 614
> vk6jrb@...
> 0429 674296
>
> Using M2, Opera's revolutionary e-mail client:
> http://www.opera.com/m2/
>
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> Yahoo! Groups Links
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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1807. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-13 02:15:52 UTC
From: John Blake
Topic: 1805 Message: 1807

nope, how would I do that ? My book only shows how to recalibrate the
display.

John

On Sat, 12 Jun 2004 05:22:31 -0700 (PDT), Bill K0ZL <coorsbill@...>
wrote:

> Have you tried adjusting the reference oscillator on
> the PLL unit?
>
> b
>
> --- John Blake <vk6jrb@...> wrote:
>> Hi all, have just discovered, by listening to a
>> known local beacon, that my digital display on my 530s reads 2 khz high.
>> I
>> listen to a beacon on 28.200, but to hear it I have to tune to 28.198. I
>> have done the re calabrate thing with the trim pot, but I am still 2
>> khz out. Does anyone have any clues or should I just live with it and do
>> the adjustment in my head.
>> I have checked this also with other know beacons,
>> transmissions as well.
>>
>> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> vk6jrb@...
>> 0429 674296
>>
>> Using M2, Opera's revolutionary e-mail client:
>> http://www.opera.com/m2/
>>
>>
>> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> vk6jrb@...
>> 0429 674296
>>
>> Using M2, Opera's revolutionary e-mail client:
>> http://www.opera.com/m2/
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> http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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>> Yahoo! Groups Links
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>> http://groups.yahoo.com/group/TS-520_820_530_830/
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>> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> "If in doubt, MODIFY" --k0zl
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--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...

0429 674296

Using M2, Opera's revolutionary e-mail client: http://www.opera.com/m2/

1808. heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-13 17:00:59 UTC
From: k4pdm
Topic: 1808 Message: 1808

Hi all,
Now I need to apologize to the gentleman who referred to the
Heil "studio" mic. My criticism of the term "studio" in relation to
the Heil mic was meant to be critical of the fact that Heil refers to
it that way, not to the group member who used the term--it originates
with Heil itself.
I was just pointing out that, in my experience, they don't show up in
radio stations, not to criticise the group member. No offense
intended!
73,
Paul K4PDM

1809. TS-520 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-11 22:29:47 UTC
From: Al Donker
Topic: 1809 Message: 1809

Hi all. I have a TS-520SE, it's starting to get some rust around the side panel. I'd like to get it sanded down and repainted before it gets worse. I e-mailed Kenwood, they directed me to the NC Total Electronics website, which states it is no longer selling paint. Anyone know where I can get the original color gray paint for the 520?

Al
KC5KQM

1810. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 01:10:23 UTC
From: Bill K0ZL
Topic: 1805 Message: 1810

It's TC1 on the PLL unit, bottom side of rig. About
half way back on the circuit board, near the ref. osc.

Set up on known signal and adjust this for zero beat
with your counter and VFO set to the freq of the known
signal.

bill

--- John Blake <vk6jrb@...> wrote:
> nope, how would I do that ? My book only shows how
> to recalibrate the
> display.
>
> John
>
> On Sat, 12 Jun 2004 05:22:31 -0700 (PDT), Bill K0ZL
> <coorsbill@...>
> wrote:
>
> > Have you tried adjusting the reference oscillator
> on
> > the PLL unit?
> >
> > b
> >
> > --- John Blake <vk6jrb@...> wrote:
> >> Hi all, have just discovered, by listening to a
> >> known local beacon, that my digital display on my
> 530s reads 2 khz high.
> >> I
> >> listen to a beacon on 28.200, but to hear it I
> have to tune to 28.198. I
> >> have done the re calabrate thing with the trim
> pot, but I am still 2
> >> khz out. Does anyone have any clues or should I
> just live with it and do
> >> the adjustment in my head.
> >> I have checked this also with other know beacons,
> >> transmissions as well.
> >>
> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> vk6jrb@...
> >> 0429 674296
> >>
> >> Using M2, Opera's revolutionary e-mail client:

> >> http://www.opera.com/m2/
> >>
> >>
> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> vk6jrb@...
> >> 0429 674296
> >>
> >> Using M2, Opera's revolutionary e-mail client:
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> >>
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http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> >> Yahoo! Groups Links
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> >> http://groups.yahoo.com/group/TS-520_820_530_830/
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> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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=====

"If in doubt, MODIFY" --k0zl

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1811. Re: TS-520 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 04:39:01 UTC
From: Keith Hanks
Topic: 1809 Message: 1811

Go to EBAY auction Item number: 5704377423. A guy has a buy it now price of $9.50.

--- In TS-520_820_530_830@yahoogroups.com, "Al Donker" <DonkBuilt@h...> wrote:
> Hi all. I have a TS-520SE, it's starting to get some rust around the side
> panel. I'd like to get it sanded down and repainted before it gets worse. I
> e-mailed Kenwood, they directed me to the NC Total Electronics website,
> which states it is no longer selling paint. Anyone know where I can get the
> original color gray paint for the 520?
>
> Al
> KC5KQM

1812. Re: [TS-520_820_530_830] TS-520 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 11:47:01 UTC
From: Keith V
Topic: 1809 Message: 1812

It's almost always on ebay in spray cans. You can also take a cabinet top
or something to the paint store and they will mix it for you.

Van,
K0KAV

----- Original Message -----
From: "Al Donker" <DonkBuilt@...>
To: "Group-TS-520_820_530_830" <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, June 11, 2004 5:29 PM
Subject: [TS-520_820_530_830] TS-520 Paint

> Hi all. I have a TS-520SE, it's starting to get some rust around the side
> panel. I'd like to get it sanded down and repainted before it gets worse.
I
> e-mailed Kenwood, they directed me to the NC Total Electronics website,
> which states it is no longer selling paint. Anyone know where I can get
the
> original color gray paint for the 520?
>
> Al
> KC5KQM
>
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> Yahoo! Groups Links
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1813. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 11:50:01 UTC
From: Bill K0ZL
Topic: 1808 Message: 1813

Bob is involved in professional recording; I wonder if
his mics are showing up in recording studios? His
hi-end ham mics are relatively new to the market,
compared to EV and others; it may take a while to
penetrate the broadcast market.

From what I have heard, his mics exceed all but the
very expensive Sennheiser microphones for voice
quality. I would not be surprised to see them in
newsrooms and production studios. Perhaps not in the
control rooms just yet. They certianly are affordable!

bill

KIMN-AM/FM 1976-1978

--- k4pdm <k4pdm@...> wrote:
>
> Hi all,
> Now I need to apologize to the gentleman who
> referred to the
> Heil "studio" mic. My criticism of the term "studio"
> in relation to
> the Heil mic was meant to be critical of the fact
> that Heil refers to
> it that way, not to the group member who used the
> term--it originates
> with Heil itself.
> I was just pointing out that, in my experience, they
> don't show up in
> radio stations, not to criticise the group member.
> No offense
> intended!
> 73,
> Paul K4PDM
>
>

=====

"If in doubt, MODIFY" --k0zl

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1814. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 12:13:11 UTC
From: John Blake
Topic: 1805 Message: 1814

Thanks Bill, does this mean I set the display to 28.200 (known beacon) and
then tune for a normal signal? ie 800 hz offset as you would normally
listen to it.
Sorry to sound a bit daft, I'm pretty new to all this.

John

On Sun, 13 Jun 2004 18:10:23 -0700 (PDT), Bill K0ZL <coorsbill@...>
wrote:

> It's TC1 on the PLL unit, bottom side of rig. About
> half way back on the circuit board, near the ref. osc.
>
> Set up on known signal and adjust this for zero beat
> with your counter and VFO set to the freq of the known
> signal.
>
> bill
>
> --- John Blake <vk6jrb@...> wrote:
>> nope, how would I do that ? My book only shows how
>> to recalibrate the display.
>>
>> John
>>
>> On Sat, 12 Jun 2004 05:22:31 -0700 (PDT), Bill K0ZL
>> <coorsbill@...> wrote:
>>
>> > Have you tried adjusting the reference oscillator
>> on
>> > the PLL unit?
>> >
>> > b
>> >
>> > --- John Blake <vk6jrb@...> wrote:
>> >> Hi all, have just discovered, by listening to a
>> >> known local beacon, that my digital display on my
>> 530s reads 2 khz high. >> I
>> >> listen to a beacon on 28.200, but to hear it I
>> have to tune to 28.198. I
>> >> have done the re calabrate thing with the trim
>> pot, but I am still 2
>> >> khz out. Does anyone have any clues or should I
>> just live with it and do
>> >> the adjustment in my head.
>> >> I have checked this also with other know beacons,

>> >> transmissions as well.
>> >>
>> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> >> vk6jrb@...
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>> >> Using M2, Opera's revolutionary e-mail client:
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>> > "If in doubt, MODIFY" --k0zl
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>> > Need a tech? See our website
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John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

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1815. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 13:01:41 UTC
From: Dale Cole
Topic: 1808 Message: 1815

Greetings;
Perhaps Paul is correct that radio stations per say do not use them (Heil) mic's.....But you can find one in front of David Letterman each nite....at least that is what I understand.....my " two cents"
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/13/04 13:01:41
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] heil "studio" mic

Hi all,
Now I need to apologize to the gentleman who referred to the Heil "studio" mic. My criticism of the term "studio" in relation to the Heil mic was meant to be critical of the fact that Heil refers to it that way, not to the group member who used the term--it originates with Heil itself.
I was just pointing out that, in my experience, they don't show up in radio stations, not to criticise the group member. No offense intended!
73,
Paul K4PDM

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To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

To unsubscribe from this group, send an email to:
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[Non-text portions of this message have been removed]

1816. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 13:36:50 UTC
From: Paul Manuel
Topic: 1808 Message: 1816

--- Dale Cole <k9ttt@...> wrote:
> Greetings;
> Perhaps Paul is correct that radio stations per say do not use them
> (Heil) mic's.....But you can find one in front of David Letterman
> each
> nite....at least that is what I understand.....my " two cents"
> Dale K9TTT

Dale,
Unless David Letterman has changed mics, he was using that mic long before
Bob Heil was manufacturing an imitation version.
73,
Paul K4PDM

_____
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http://mail.yahoo.com

1817. Still Working on the 820's

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:03:54 UTC
From: k2wh_bill
Topic: 1817 Message: 1817

Well I'm still working on the 820's and the 3rd one I opened up revealed something different from the other 2.

Referring to the digital displays, the flourescent tube, the 2 prior units, had wires soldered to both ends of the tube. This 3rd unit, flourescent tube has all the wires soldered to a single PC board located on the back or rear of the tube facing the VFO casing.

Does anyone know the significance of these two different tubes? Which one came first in the manufacture of the 820s's.

K2WH

1818. And now to the 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:13:05 UTC
From: k2wh_bill
Topic: 1818 Message: 1818

My next rig to clean up and restore is my 520. All was going well with a fully functional rig, (worked fine) until I decided to service the switches, pots, other controls and calibrate the VFO. Get rid of some scratchy noises.

Anyway, I accidentally shorted the external VFO cable and transistor Q8 on the VOX board blew up (literally). The only thing left are the 3 leads still soldered to the board.

Anyone have a replacement for this transistor?

K2WH

1819. I Should Have Known

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:16:00 UTC
From: k2wh_bill
Topic: 1819 Message: 1819

If its working don't fix it. How true. BTW, my previous post, with this VOX transistor gone, it seems the key line to the transmitter is none functional. Receive is ok, but can't transmit.

I'm pissed.

K2WH

1820. NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:18:08 UTC
From: ka9vaa
Topic: 1820 Message: 1820

When trying to load on 28mhz I get no meter movement at all from the drive control, I have tried 4 different 12by7a's and 3 sets of 6146's and get nothing. It loads fine on all other bands, I have cleaned the band switch also, does anyone have any ideas where to look for a problem?

Thanks for any suggestions.
tom

1821. Re: NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:32:04 UTC
From: k2wh_bill
Topic: 1820 Message: 1821

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> When trying to load on 28mhz I get no meter movement at all from the
> drive control, I have tried 4 different 12by7a's and 3 sets of
6146's
> and get nothing. It loads fine on all other bands, I have cleaned
the
> band switch also, does anyone have any ideas where to look for a
> problem?
>
> Thanks for any suggestions.
> tom

Tom,

Not sure what your trying to see on the meter by rotating the drive control? Are you trying to see receive signal strength or RF output?

The drive control for transmit is usually very broad. For receive, I have noticed increased signal strength over a broad range also. Let us know the details.

Bill K2WH

1822. Re: NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 17:34:44 UTC
From: ka9vaa
Topic: 1692 Message: 1822

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Are you able to get any plate current at all above the
> 60mA idle current?
> b
>
Yes, I turn it up to 300. I am about ready to give up. My old 520se
which I bought new in 1980 has never had a problem of anykind.

1823. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 20:57:35 UTC
From: NORM FUSARO
Topic: 1808 Message: 1823

I heard Bob Heil tell the story of the special effect voice device that Joe Walsh used on the song Rocky Mountain Way and how later Peter Framptom made it A big hit for him.
Bob Heil has been in the audio biz for a very long time.
73,
Norm, W3IZ

----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, June 14, 2004 7:50 AM
Subject: Re: [TS-520_820_530_830] heil "studio" mic

Bob is involved in professional recording; I wonder if
his mics are showing up in recording studios? His
hi-end ham mics are relatively new to the market,
compared to EV and others; it may take a while to
penetrate the broadcast market.

From what I have heard, his mics exceed all but the
very expensive Sennheiser microphones for voice
quality. I would not be surprised to see them in
newsrooms and production studios. Perhaps not in the
control rooms just yet. They certianly are affordable!

bill

KIMN-AM/FM 1976-1978

--- k4pdm <k4pdm@...> wrote:
>
> Hi all,
> Now I need to apologize to the gentleman who
> referred to the
> Heil "studio" mic. My criticism of the term "studio"
> in relation to
> the Heil mic was meant to be critical of the fact
> that Heil refers to
> it that way, not to the group member who used the
> term--it originates
> with Heil itself.
> I was just pointing out that, in my experience, they
> don't show up in
> radio stations, not to criticise the group member.
> No offense
> intended!
> 73,

> Paul K4PDM
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

1824. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 21:21:29 UTC
From: Peter A Markavage
Topic: 1808 Message: 1824

Here's a product review article from Radio World on Bob's professional
line:
http://www.heilsound.com/images/proline_ty_ford_review.pdf

Pete, wa2cwa

On Mon, 14 Jun 2004 16:57:35 -0400 "NORM FUSARO" <w3iz@...>
writes:
I heard Bob Heil tell the story of the special effect voice device that
Joe Walsh used on the song Rocky Mountain Way and how later Peter
Framptom made it A big hit for him.
Bob Heil has been in the audio biz for a very long time.
73,
Norm, W3IZ

----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, June 14, 2004 7:50 AM
Subject: Re: [TS-520_820_530_830] heil "studio" mic

Bob is involved in professional recording; I wonder if
his mics are showing up in recording studios? His
hi-end ham mics are relatively new to the market,
compared to EV and others; it may take a while to
penetrate the broadcast market.

From what I have heard, his mics exceed all but the
very expensive Sennheiser microphones for voice
quality. I would not be surprised to see them in
newsrooms and production studios. Perhaps not in the
control rooms just yet. They certianly are affordable!

bill

KIMN-AM/FM 1976-1978

--- k4pdm <k4pdm@...> wrote:
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> Hi all,
> Now I need to apologize to the gentleman who
> referred to the
> Heil "studio" mic. My criticism of the term "studio"
> in relation to
> the Heil mic was meant to be critical of the fact
> that Heil refers to
> it that way, not to the group member who used the

> term--it originates
> with Heil itself.
> I was just pointing out that, in my experience, they
> don't show up in
> radio stations, not to criticise the group member.
> No offense
> intended!
> 73,
> Paul K4PDM
>

[Non-text portions of this message have been removed]

1825. My recieve audio just died on my TS530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 22:02:00 UTC
From: ft920yaesu1997
Topic: 1825 Message: 1825

My recieve audio just died on my TS530S..
I can hear it faintly on the earphones
Gets better as the radio warms up a while
But nothin out of the speaker!!
any ideas??
Thanks
Scott

1826. Re: My recieve audio just died on my TS530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-14 22:34:32 UTC
From: Ron Kienzle
Topic: 1825 Message: 1826

Is it the same on all bands or just the higher frequencies?

--Ron

--- In TS-520_820_530_830@yahoogroups.com, "ft920yaesu1997"
<ft920yaesu1997@y...> wrote:
> My recieve audio just died on my TS530S..
> I can hear it faintly on the earphones
> Gets better as the radio warms up a while
> But nothin out of the speaker!!
> any ideas??
> Thanks
> Scott

1827. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 00:39:53 UTC
From: Bill K0ZL
Topic: 1805 Message: 1827

Not recommended, because you really can't hear a
"carrier" on zero beat.

Best way is to tune in a shortwave station of known
frequency on 40 meters; using LSB or USB, adjust that
trimmer for most natural sounding voice or music. You
can also use someone on SSB that knows their rig is
OK.

b

--- John Blake <vk6jrb@...> wrote:
> Thanks Bill, does this mean I set the display to
> 28.200 (known beacon) and
> then tune for a normal signal? ie 800 hz offset as
> you would normally
> listen to it.
> Sorry to sound a bit daft, I'm pretty new to all
> this.
>
> John
>
> On Sun, 13 Jun 2004 18:10:23 -0700 (PDT), Bill K0ZL
> <coorsbill@...>
> wrote:
>
> > It's TC1 on the PLL unit, bottom side of rig.
> About
> > half way back on the circuit board, near the ref.
> osc.
> >
> > Set up on known signal and adjust this for zero
> beat
> > with your counter and VFO set to the freq of the
> known
> > signal.
> >
> > bill
> >
> > --- John Blake <vk6jrb@...> wrote:
> >> nope, how would I do that ? My book only shows
> how
> >> to recalibrate the display.
> >>
> >> John
> >>

> >> On Sat, 12 Jun 2004 05:22:31 -0700 (PDT), Bill
> K0ZL
> >> <coorsbill@...> wrote:
> >>
> >> > Have you tried adjusting the reference
> oscillator
> >> on
> >> > the PLL unit?
> >> >
> >> > b
> >> >
> >> > --- John Blake <vk6jrb@...> wrote:
> >> >> Hi all, have just discovered, by listening to
> a
> >> >> known local beacon, that my digital display on
> my
> >> 530s reads 2 khz high. >> I
> >> >> listen to a beacon on 28.200, but to hear it I
> >> have to tune to 28.198. I
> >> >> have done the re calabrate thing with the trim
> >> pot, but I am still 2
> >> >> khz out. Does anyone have any clues or should
> I
> >> just live with it and do
> >> >> the adjustment in my head.
> >> >> I have checked this also with other know
> beacons,
> >> >> transmissions as well.
> >> >>
> >> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> >> vk6jrb@...
> >> >> 0429 674296
> >> >>
> >> >> Using M2, Opera's revolutionary e-mail client:
> >> >> http://www.opera.com/m2/
> >> >>
> >> >>
> >> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
> >> >> vk6jrb@...
> >> >> 0429 674296
> >> >>
> >> >> Using M2, Opera's revolutionary e-mail client:
> >> >> http://www.opera.com/m2/
> >> >>
> >> >>
> >> >> ------------------------ Yahoo! Groups Sponsor
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http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
> >> >>
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---~->
> >> >>
> >> >>
> >> >> Yahoo! Groups Links
> >> >>
> >> >>
> http://groups.yahoo.com/group/TS-520_820_530_830/
> >> >>
> >> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
> >> >>
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> >> >
> >> > =====
> >> >
> >> > "If in doubt, MODIFY" --k0zl
> >> >
> >> > Need a tech? See our website
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> >> > _____________________________________
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> >> >

> >>
> >
>
http://us.click.yahoo.com/Z1wmxD/DREIAA/yQLSAA/ELTolB/TM
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> >> > Yahoo! Groups Links
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> >> vk6jrb@...
> >> 0429 674296
> >>
> >> Using M2, Opera's revolutionary e-mail client:
> >> http://www.opera.com/m2/
> >>
> >>
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> >> Now with Pop-Up Blocker. Get it for free!
> >>
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>
http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> >> Yahoo! Groups Links
> >>
> >> http://groups.yahoo.com/group/TS-520_820_530_830/
> >>
> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
> >>

> >>
> >>
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
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> > _____
> > Do you Yahoo!?
> > Friends. Fun. Try the all-new Yahoo! Messenger.
> > http://messenger.yahoo.com/
> >
> >
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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1828. Re: [TS-520_820_530_830] Re: My recieve audio just died on my TS530S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 00:57:28 UTC
From: S H
Topic: 1825 Message: 1828

seems to be on all bands

Ron Kienzle <ron@...> wrote:
Is it the same on all bands or just the higher frequencies?

--Ron

--- In TS-520_820_530_830@yahoogroups.com, "ft920yaesu1997"
<ft920yaesu1997@y...> wrote:
> My recieve audio just died on my TS530S..
> I can hear it faintly on the earphones
> Gets better as the radio warms up a while
> But nothin out of the speaker!!
> any ideas??
> Thanks
> Scott

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[Non-text portions of this message have been removed]

1829. TS-520 Phone Elmering?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 00:58:32 UTC
From: Jason Creager
Topic: 1692 Message: 1829

Hi there,

Would anyone from the list be available to walk me through getting this thing on the air? I tried to follow the manual, but must've missed something because I could only send RF when in tune mode.

Of course, I'll pay for the phonecall.

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1830. Re: [TS-520_820_530_830] And now to the 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 01:31:46 UTC
From: Bill K0ZL
Topic: 1818 Message: 1830

2SA562 2SA952 NTE-290

how's that?

b

--- k2wh_bill <k2wh@...> wrote:
> My next rig to clean up and restore is my 520. All
> was going well
> with a fully functional rig, (worked fine) until I
> decided to service
> the switches, pots, other controls and calibrate the
> VFO. Get rid of
> some scratchy noises.
>
> Anyway, I accidentally shorted the external VFO
> cable and transistor
> Q8 on the VOX board blew up (literally). The only
> thing left are the
> 3 leads still soldered to the board.
>
> Anyone have a replacement for this transistor?
>
> K2WH
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1831. Re: [TS-520_820_530_830] I Should Have Known

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 01:32:33 UTC
From: Bill K0ZL
Topic: 1819 Message: 1831

It's a PNP charge pump to relay line, I guess.

b

--- k2wh_bill <k2wh@...> wrote:
> If its working don't fix it. How true. BTW, my
> previous post, with
> this VOX transistor gone, it seems the key line to
> the transmitter is
> none functional. Receive is ok, but can't transmit.
>
> I'm pissed.
>
> K2WH
>
>

=====

"If in doubt, MODIFY" --k0zl

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1832. Re: [TS-520_820_530_830] NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 01:33:05 UTC
From: Bill K0ZL
Topic: 1820 Message: 1832

Align the RF deck on 10M.

b

--- ka9vaa <ka9vaa@...> wrote:
> When trying to load on 28mhz I get no meter movement
> at all from the
> drive control, I have tried 4 different 12by7a's and
> 3 sets of 6146's
> and get nothing. It loads fine on all other bands, I
> have cleaned the
> band switch also, does anyone have any ideas where
> to look for a
> problem?
>
> Thanks for any suggestions.
> tom
>
>

=====

"If in doubt, MODIFY" --k0zl

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1833. Re: [TS-520_820_530_830] Re: NO 10 meters in TS 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 01:39:20 UTC
From: Bill K0ZL
Topic: 1692 Message: 1833

The 28 and 24 meg coils will need to be tweaked due to
age or if you ever change driver tubes.

b

--- ka9vaa <ka9vaa@...> wrote:
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > Are you able to get any plate current at all above
> the
> > 60mA idle current?
> > b
> >
> Yes, I turn it up to 300. I am about ready to give
> up. My old 520se
> which I bought new in 1980 has never had a problem
> of anykind.
>
>

=====

"If in doubt, MODIFY" --k0zl

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1834. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 01:46:14 UTC
From: Bill K0ZL
Topic: 1808 Message: 1834

Alright, a bit of rock and roll trivia. What was this
device called?

bill

--- NORM FUSARO <w3iz@...> wrote:
> I heard Bob Heil tell the story of the special
> effect voice device that Joe Walsh used on the song
> Rocky Mountain Way and how later Peter Framptom made
> it A big hit for him.
> Bob Heil has been in the audio biz for a very long
> time.
> 73,
> Norm, W3IZ
>
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, June 14, 2004 7:50 AM
> Subject: Re: [TS-520_820_530_830] heil "studio"
> mic
>
>
> Bob is involved in professional recording; I
> wonder if
> his mics are showing up in recording studios? His
> hi-end ham mics are relatively new to the market,
> compared to EV and others; it may take a while to
> penetrate the broadcast market.
>
> From what I have heard, his mics exceed all but
> the
> very expensive Sennheiser microphones for voice
> quality. I would not be surprised to see them in
> newsrooms and production studios. Perhaps not in
> the
> control rooms just yet. They certianly are
> affordable!
>
> bill
>
> KIMN-AM/FM 1976-1978
>
> --- k4pdm <k4pdm@...> wrote:
> >

> > Hi all,
> > Now I need to apologize to the gentleman who
> > referred to the
> > Heil "studio" mic. My criticism of the term
> "studio"
> > in relation to
> > the Heil mic was meant to be critical of the
> fact
> > that Heil refers to
> > it that way, not to the group member who used
> the
> > term--it originates
> > with Heil itself.
> > I was just pointing out that, in my experience,
> they
> > don't show up in
> > radio stations, not to criticise the group
> member.
> > No offense
> > intended!
> > 73,
> > Paul K4PDM
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> a.. To visit your group on the web, go to:
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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> email to:
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>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
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>
>
> [Non-text portions of this message have been
> removed]
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>

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"If in doubt, MODIFY" --k0zl

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1835. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 02:24:09 UTC
From: NORM FUSARO
Topic: 1808 Message: 1835

I'm guessing but I think it was called a voice box. The actual components that Joe Walsh used were a funnel some hose and a speaker. But as he put it, it didn't look professional so he had Bob build an electronic version of the hardware store special.
73,
Norm, W3IZ

----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, June 14, 2004 9:46 PM
Subject: Re: [TS-520_820_530_830] heil "studio" mic

Alright, a bit of rock and roll trivia. What was this
device called?

bill

--- NORM FUSARO <w3iz@...> wrote:
> I heard Bob Heil tell the story of the special
> effect voice device that Joe Walsh used on the song
> Rocky Mountain Way and how later Peter Framptom made
> it A big hit for him.
> Bob Heil has been in the audio biz for a very long
> time.
> 73,
> Norm, W3IZ
>
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, June 14, 2004 7:50 AM
> Subject: Re: [TS-520_820_530_830] heil "studio"
> mic
>
>
> Bob is involved in professional recording; I
> wonder if
> his mics are showing up in recording studios? His
> hi-end ham mics are relatively new to the market,
> compared to EV and others; it may take a while to
> penetrate the broadcast market.
>
> From what I have heard, his mics exceed all but
> the
> very expensive Sennheiser microphones for voice
> quality. I would not be surprised to see them in

> newsrooms and production studios. Perhaps not in
> the
> control rooms just yet. They certianly are
> affordable!
>
> bill
>
> KIMN-AM/FM 1976-1978
>
> --- k4pdm <k4pdm@...> wrote:
> >
> > Hi all,
> > Now I need to apologize to the gentleman who
> > referred to the
> > Heil "studio" mic. My criticism of the term
> "studio"
> > in relation to
> > the Heil mic was meant to be critical of the
> fact
> > that Heil refers to
> > it that way, not to the group member who used
> the
> > term--it originates
> > with Heil itself.
> > I was just pointing out that, in my experience,
> they
> > don't show up in
> > radio stations, not to criticise the group
> member.
> > No offense
> > intended!
> > 73,
> > Paul K4PDM
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
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>
>
>
> [Non-text portions of this message have been
> removed]
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>

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[Non-text portions of this message have been removed]

1836. Re: heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 02:31:51 UTC
From: pchapman9202003
Topic: 1808 Message: 1836

I'm getting good at starting stuff around here

Anyway, the gold line is the same physical shape as the ICM I converted to a boom mike with an old architect lamp. For $75 total cost, I am happy with it. Oh yeah, I spent another $5.00 at rat shack to get a foot switch for it, too! The socket is already there in the ICM, just have to have an adaptor plug.

1837. RE: [TS-520_820_530_830] NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 02:38:21 UTC
From: Walter Milton
Topic: 1820 Message: 1837

Tom,

I had the same problem with my TS-830S. I end up having to have the band switch replaced. All is well and good now.

Walt
-----Original Message-----
From: ka9vaa [mailto:ka9vaa@...]
Sent: Monday, June 14, 2004 1:18 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] NO ten meters 0n 830

When trying to load on 28mhz I get no meter movement at all from the drive control, I have tried 4 different 12by7a's and 3 sets of 6146's and get nothing. It loads fine on all other bands, I have cleaned the band switch also, does anyone have any ideas where to look for a problem?

Thanks for any suggestions.
tom

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[Non-text portions of this message have been removed]

1838. Re: heil 'studio' mic / letterman

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 03:36:13 UTC
From: james27613@att.net
Topic: 1838 Message: 1838

Hi,

I found this link in reference to letterman's desk mic,
it is a Neumann.

http://home.houston.rr.com/psycle/sale/studcond.html

http://www.neumann.com/book/book.htm (interesting)

73 james ke4drn

--- Dale Cole <k9ttt@...> wrote:
> Greetings;
> Perhaps Paul is correct that radio stations per say do not use them
> (Heil) mic's........But you can find one in front of David Letterman
> each
> nite....at least that is what I understand.....my " two cents"
> Dale K9TTT

Dale,
Unless David Letterman has changed mics, he was using that mic long before
Bob Heil was manufacturing an imitation version.
73,
Paul K4PDM

1839. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 03:52:56 UTC
From: Dale Cole
Topic: 1808 Message: 1839

Paul----my apologies ......I stand corrected......Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/14/04 09:36:56
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] heil "studio" mic

--- Dale Cole <k9ttt@...> wrote:
> Greetings;
> Perhaps Paul is correct that radio stations per say do not use them
> (Heil) mic's........But you can find one in front of David Letterman
> each
> nite....at least that is what I understand.....my " two cents"
> Dale K9TTT

Dale,
Unless David Letterman has changed mics, he was using that mic long before
Bob Heil was manufacturing an imitation version.
73,
Paul K4PDM

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1840. Re: [TS-520_820_530_830] Re: NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 04:03:28 UTC
From: Dale Cole
Topic: 1820 Message: 1840

I once had a similar problem with my 830 with 10 meters. Don't know if it applies here. The band switch is plastic which gets britle over time and the shaft is connected by set screws which can cause the shaft to break. Another phom of the 830 is in the wafer switches themselves. Kenwood used dis-similar metals in the contacts......one was copper and the other tin, which through time can cause some contact problems. You said you cleaned your contacts so this is not likely but one never knows.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/14/04 13:32:38
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: NO ten meters 0n 830

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
wrote:
> When trying to load on 28mhz I get no meter movement at all from the
> drive control, I have tried 4 different 12by7a's and 3 sets of
6146's
> and get nothing. It loads fine on all other bands, I have cleaned
the
> band switch also, does anyone have any ideas where to look for a
> problem?
>
> Thanks for any suggestions.
> tom

Tom,

Not sure what your trying to see on the meter by rotating the drive control? Are you trying to see receive signal strength or RF output?

The drive control for transmit is usually very broad. For receive, I have noticed increased signal strength over a broad range also. Let us know the details.

Bill K2WH

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1841. RE: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 03:37:58 UTC
From: Brian
Topic: 1808 Message: 1841

Oh, too easy!

The device is called a 'vocoder'.

- Brian

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Monday, June 14, 2004 9:46 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] heil "studio" mic

Alright, a bit of rock and roll trivia. What was this
device called?

bill

--- NORM FUSARO <w3iz@...> wrote:
> I heard Bob Heil tell the story of the special
> effect voice device that Joe Walsh used on the song
> Rocky Mountain Way and how later Peter Framptom made
> it A big hit for him.
> Bob Heil has been in the audio biz for a very long
> time.
> 73,
> Norm, W3IZ
>
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, June 14, 2004 7:50 AM
> Subject: Re: [TS-520_820_530_830] heil "studio"
> mic
>
>
> Bob is involved in professional recording; I
> wonder if
> his mics are showing up in recording studios? His
> hi-end ham mics are relatively new to the market,
> compared to EV and others; it may take a while to
> penetrate the broadcast market.
>
> From what I have heard, his mics exceed all but
> the
> very expensive Sennheiser microphones for voice
> quality. I would not be surprised to see them in

> newsrooms and production studios. Perhaps not in
> the
> control rooms just yet. They certianly are
> affordable!
>
> bill
>
> KIMN-AM/FM 1976-1978
>
> --- k4pdm <k4pdm@...> wrote:
> >
> > Hi all,
> > Now I need to apologize to the gentleman who
> > referred to the
> > Heil "studio" mic. My criticism of the term
> "studio"
> > in relation to
> > the Heil mic was meant to be critical of the
> fact
> > that Heil refers to
> > it that way, not to the group member who used
> the
> > term--it originates
> > with Heil itself.
> > I was just pointing out that, in my experience,
> they
> > don't show up in
> > radio stations, not to criticise the group
> member.
> > No offense
> > intended!
> > 73,
> > Paul K4PDM
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website
> www.amateur-repairs.com
>
>
>
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>
>
>

> _____
> Do you Yahoo!?
> Friends. Fun. Try the all-new Yahoo! Messenger.
> http://messenger.yahoo.com/
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>

--
> Yahoo! Groups Links
>
> a.. To visit your group on the web, go to:
>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
>
>
>
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Groups Links

1842. Re: [TS-520_820_530_830] TS-520 Phone Elmering?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 04:19:52 UTC
From: Bill K0ZL
Topic: 1692 Message: 1842

Jason I could help but going out of town for a week...
can help when I get back.

b

--- Jason Creager <jason@...> wrote:
> Hi there,
>
> Would anyone from the list be available to walk me
> through getting this
> thing on the air? I tried to follow the manual, but
> must've missed
> something because I could only send RF when in tune
> mode.
>
> Of course, I'll pay for the phonecall.
>
> Thanks,
> Jason
> -
>
==========
> http://jason.creager.com kc0erg@... Las
> Vegas, NV
>
> All responses subject to the terms of
> http://jason.creager.com/disclaimer.html
> http://jason.creager.com/uros.html - The #1 Mali
> Uromastyx Info Source
>
>
>
>

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"If in doubt, MODIFY" --k0zl

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1843. Re: [TS-520_820_530_830] Re: heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 04:23:27 UTC
From: Bill K0ZL
Topic: 1808 Message: 1843

PS Bob and Joe Walsh are teaming up with another
fellow to put a vintage AM station on the air at
W1AW... should be on pretty soon, if not already.

Bill

--- pchapman9202003 <p_chap@...> wrote:
> I'm getting good at starting stuff around here
>
> Anyway, the gold line is the same physical shape as
> the ICM I
> converted to a boom mike with an old architect lamp.
> For $75 total
> cost, I am happy with it. Oh yeah, I spent another
> $5.00 at rat
> shack to get a foot switch for it, too! The socket
> is already there
> in the ICM, just have to have an adaptor plug.
>
>

=====

"If in doubt, MODIFY" --k0zl

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1844. Re: [TS-520_820_530_830] Re: NO ten meters 0n 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 04:29:19 UTC
From: Bill K0ZL
Topic: 1820 Message: 1844

It's not the bandswitch shaft itself, it's the 1/4"
dia coupling, which is still available.

b

--- Dale Cole <k9ttt@...> wrote:
> I once had a similar problem with my 830 with 10
> meters. Don't know if it
> applies here. The band switch is plastic which gets
> britle over time and
> the shaft is connected by set screws which can cause
> the shaft to break.
> Another phom of the 830 is in the wafer switches
> themselves. Kenwood used
> dis-similar metals in the contacts......one was
> copper and the other tin,
> which through time can cause some contact problems.
> You said you cleaned
> your contacts so this is not likely but one never
> knows.
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: 06/14/04 13:32:38
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: NO ten meters 0n
> 830
>
> --- In TS-520_820_530_830@yahoogroups.com, "ka9vaa"
> <ka9vaa@f...>
> wrote:
> > When trying to load on 28mhz I get no meter
> movement at all from the
> > drive control, I have tried 4 different 12by7a's
> and 3 sets of
> 6146's
> > and get nothing. It loads fine on all other bands,
> I have cleaned
> the
> > band switch also, does anyone have any ideas where
> to look for a
> > problem?
> >

> > Thanks for any suggestions.
> > tom
>
> Tom,
>
> Not sure what your trying to see on the meter by
> rotating the drive
> control? Are you trying to see receive signal
> strength or RF output?
>
> The drive control for transmit is usually very
> broad. For receive, I
> have noticed increased signal strength over a broad
> range also. Let
> us know the details.
>
> Bill K2WH
>
>
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>
>
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
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> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo!
> Terms of Service.
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>
> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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1845. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 05:12:51 UTC
From: Clair B
Topic: 1808 Message: 1845

There were actually a few such devices, the best one was simply called "The Bag" I believe made by Electro-Harmonix. It was by far the best of all of them......73

Clair K7IE
Salem, Oregon

----- Original Message -----
From: Brian
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, June 14, 2004 20:37 PM
Subject: RE: [TS-520_820_530_830] heil "studio" mic

Oh, too easy!

The device is called a 'vocoder'.

- Brian

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Monday, June 14, 2004 9:46 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] heil "studio" mic

Alright, a bit of rock and roll trivia. What was this
device called?

bill

--- NORM FUSARO <w3iz@...> wrote:
> I heard Bob Heil tell the story of the special
> effect voice device that Joe Walsh used on the song
> Rocky Mountain Way and how later Peter Framptom made
> it A big hit for him.
> Bob Heil has been in the audio biz for a very long
> time.
> 73,
> Norm, W3IZ
>
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, June 14, 2004 7:50 AM
> Subject: Re: [TS-520_820_530_830] heil "studio"
> mic
>
>

> Bob is involved in professional recording; I
> wonder if
> his mics are showing up in recording studios? His
> hi-end ham mics are relatively new to the market,
> compared to EV and others; it may take a while to
> penetrate the broadcast market.
>
> From what I have heard, his mics exceed all but
> the
> very expensive Sennheiser microphones for voice
> quality. I would not be surprised to see them in
> newsrooms and production studios. Perhaps not in
> the
> control rooms just yet. They certianly are
> affordable!
>
> bill
>
> KIMN-AM/FM 1976-1978
>
> --- k4pdm <k4pdm@...> wrote:
> >
> > Hi all,
> > Now I need to apologize to the gentleman who
> > referred to the
> > Heil "studio" mic. My criticism of the term
> "studio"
> > in relation to
> > the Heil mic was meant to be critical of the
> fact
> > that Heil refers to
> > it that way, not to the group member who used
> the
> > term--it originates
> > with Heil itself.
> > I was just pointing out that, in my experience,
> they
> > don't show up in
> > radio stations, not to criticise the group
> member.
> > No offense
> > intended!
> > 73,
> > Paul K4PDM
> >
> >
>
>
> =====
>

> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
>
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>
> [Non-text portions of this message have been
> removed]
>
>

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"If in doubt, MODIFY" --k0zl

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b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1846. Re: [TS-520_820_530_830] Re: heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 05:52:14 UTC
From: Peter A Markavage
Topic: 1808 Message: 1846

The equipment is on the way to the ARRL by truck. Setup is scheduled for 6/18/04. Neither Bob or Joe will be there. Bob's got a wedding and Joe is going to be somewhere in Ireland/Scotland (one of those places).
Pete, wa2cwa

On Mon, 14 Jun 2004 21:23:27 -0700 (PDT) Bill K0ZL <coorsbill@...> writes:
PS Bob and Joe Walsh are teaming up with another
fellow to put a vintage AM station on the air at
W1AW... should be on pretty soon, if not already.

Bill

--- pchapman9202003 <p_chap@...> wrote:
> I'm getting good at starting stuff around here
>
> Anyway, the gold line is the same physical shape as
> the ICM I
> converted to a boom mike with an old architect lamp.
> For $75 total
> cost, I am happy with it. Oh yeah, I spent another
> $5.00 at rat
> shack to get a foot switch for it, too! The socket
> is already there
> in the ICM, just have to have an adaptor plug.

[Non-text portions of this message have been removed]

1847. Re: [TS-520_820_530_830] heil "studio" mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 05:58:52 UTC
From: Peter A Markavage
Topic: 1808 Message: 1847

Heil Talk Box

On Mon, 14 Jun 2004 18:46:14 -0700 (PDT) Bill K0ZL <coorsbill@...>
writes:
Alright, a bit of rock and roll trivia. What was this
device called?

bill

--- NORM FUSARO <w3iz@...> wrote:
> I heard Bob Heil tell the story of the special
> effect voice device that Joe Walsh used on the song
> Rocky Mountain Way and how later Peter Framptom made
> it A big hit for him.
> Bob Heil has been in the audio biz for a very long
> time.
> 73,
> Norm, W3IZ
>
>

[Non-text portions of this message have been removed]

1848. Re: [TS-520_820_530_830] Re: heil 'studio' mic / letterman

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 10:07:44 UTC
From: NORM FUSARO
Topic: 1838 Message: 1848

Letterman is also a huge collector of vintage BC radios
73,
Norm, W3IZ

----- Original Message -----
From: james27613@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, June 14, 2004 11:36 PM
Subject: [TS-520_820_530_830] Re: heil 'studio' mic / letterman

Hi,

I found this link in reference to letterman's desk mic,
it is a Neumann.

http://home.houston.rr.com/psycle/sale/studcond.html

http://www.neumann.com/book/book.htm (interesting)

73 james ke4drn

--- Dale Cole <k9ttt@...> wrote:
> Greetings;
> Perhaps Paul is correct that radio stations per say do not use them
> (Heil) mic's........But you can find one in front of David Letterman
> each
> nite....at least that is what I understand.....my " two cents"
> Dale K9TTT

Dale,
Unless David Letterman has changed mics, he was using that mic long before
Bob Heil was manufacturing an imitation version.
73,
Paul K4PDM

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a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

1849. TS-830s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 21:10:15 UTC
From: r tg
Topic: 1808 Message: 1849

I got an 830 I am in the process of "de-11metering". The PA section was hacked and I have partially functional. I have several bands with low power out. It is not the drive to the PA but appears to be in the output filter. The bands in question are 7, 14, and 10m. I get about 110watts out on the other bands. The bands in question range from 50 to 70 watts out and the 6146s glow when in the send position for more than just a few seconds. The other bands have no glowing. I suspect the wafer switch.

Any other places to check are greatly appreciated.

Tnx,

Rob

Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.

[Non-text portions of this message have been removed]

1850. TS-820s Digital Display Problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-15 23:48:36 UTC
From: k2wh_bill
Topic: 1850 Message: 1850

Of course I have problems you say. The digital display is a well known problem with the 820's. I have repaired 2 of these units with flaky displays by removing the counter and tube, opening the counter and cleaning all the connection pins and checking for solder connections to the thru holes in the boards.

Anyway, on the 3rd unit, after cleaning the display came on nicely. Tuning around on the bands, I got these readings

Analog dial Digital Display

Band 160 80 40 20 15 10

500 2.300 4.000 7.700 14.700 23.700 28.700
400 2.200 3._00 7.400 14.400 23.400 28.400
300 2.300 3.800 7.300 14.300 23.300 28.300
200 2.000 3.700 7.200 14.200 23.200 28.200
100 3._00 3.600 7.300 14.300 23.300 28.300
000 3.800 3.700 7.000 14.000 23.000 28.000

Strange readings indeed. While the display now works (somewhat), can anyone explain the strange numbers?

K2WH

1851. Re: [TS-520_820_530_830] (unknown)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 12:17:53 UTC
From: John Blake
Topic: 1805 Message: 1851

Thanks Bill, I am now within 100hz, can't seem to wring that last little bit out of it, but I reckon thats probably close enough. I found another beacon on 28.164 which is low power and very very narrow and I can get this on 28.163.9, but 100 hz either way and it's gone. Much better than 2k anyway :-)

John

On Mon, 14 Jun 2004 17:39:53 -0700 (PDT), Bill K0ZL <coorsbill@...> wrote:

> Not recommended, because you really can't hear a
> "carrier" on zero beat.
>
> Best way is to tune in a shortwave station of known
> frequency on 40 meters; using LSB or USB, adjust that
> trimmer for most natural sounding voice or music. You
> can also use someone on SSB that knows their rig is
> OK.
>
> b
>
> --- John Blake <vk6jrb@...> wrote:
>> Thanks Bill, does this mean I set the display to
>> 28.200 (known beacon) and then tune for a normal signal? ie 800 hz
>> offset as
>> you would normally listen to it.
>> Sorry to sound a bit daft, I'm pretty new to all
>> this.
>>
>> John
>>
>> On Sun, 13 Jun 2004 18:10:23 -0700 (PDT), Bill K0ZL
>> <coorsbill@...> wrote:
>>
>> > It's TC1 on the PLL unit, bottom side of rig.
>> About
>> > half way back on the circuit board, near the ref.
>> osc.
>> >
>> > Set up on known signal and adjust this for zero
>> beat
>> > with your counter and VFO set to the freq of the
>> known
>> > signal.
>> >

>> > bill
>> >
>> > --- John Blake <vk6jrb@...> wrote:
>> >> nope, how would I do that ? My book only shows
>> how
>> >> to recalibrate the display.
>> >>
>> >> John
>> >>
>> >> On Sat, 12 Jun 2004 05:22:31 -0700 (PDT), Bill
>> K0ZL
>> >> <coorsbill@...> wrote:
>> >>
>> >> > Have you tried adjusting the reference
>> oscillator
>> >> on
>> >> > the PLL unit?
>> >> >
>> >> > b
>> >> >
>> >> > --- John Blake <vk6jrb@...> wrote:
>> >> >> Hi all, have just discovered, by listening to
>> a
>> >> >> known local beacon, that my digital display on
>> my
>> >> 530s reads 2 khz high. >> I
>> >> >> listen to a beacon on 28.200, but to hear it I
>> >> have to tune to 28.198. I
>> >> >> have done the re calabrate thing with the trim
>> >> pot, but I am still 2
>> >> >> khz out. Does anyone have any clues or should
>> I
>> >> just live with it and do
>> >> >> the adjustment in my head.
>> >> >> I have checked this also with other know
>> beacons,
>> >> >> transmissions as well.
>> >> >>
>> >> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> >> >> vk6jrb@...
>> >> >> 0429 674296
>> >> >>
>> >> >> Using M2, Opera's revolutionary e-mail client:
>> >> >> http://www.opera.com/m2/
>> >> >>
>> >> >>
>> >> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> >> >> vk6jrb@...
>> >> >> 0429 674296
>> >> >>

>> >> >> Using M2, Opera's revolutionary e-mail client:
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>> >> >
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> http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> http://us.click.yahoo.com/Z1wmxD/DREIAA/yQLSAA/ELTolB/TM
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>> >>
>> >> -- John Blake VK6JRB / Fists 9054 / CWQRP 614
>> >> vk6jrb@...
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>> >> Using M2, Opera's revolutionary e-mail client:
>> >> http://www.opera.com/m2/
>> >>
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>> >> Toolbar.
>> >> Now with Pop-Up Blocker. Get it for free!
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>>
> http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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>> >> Yahoo! Groups Links
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>> >> http://groups.yahoo.com/group/TS-520_820_530_830/
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>> >> TS-520_820_530_830-unsubscribe@yahoogroups.com
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>> > _____________________________________
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--
John Blake VK6JRB / Fists 9054 / CWQRP 614
vk6jrb@...
0429 674296

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1852. Re: [TS-520_820_530_830] I Should Have Known

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 18:55:55 UTC
From: bunny-dawg
Topic: 1819 Message: 1852

I'm not sure of the wisdom of cleaning the radio when
power is still applied to it unless of course i read
that wrong. But i've done the fix something till it's
broke thing before so i know how you feel.
Oh and i'm back from two days of camping (It was a
success.... my wife and i are still alive hi hi)
Robert
VE3 Something or other

--- k2wh_bill <k2wh@...> wrote:
> If its working don't fix it. How true. BTW, my
> previous post, with
> this VOX transistor gone, it seems the key line to
> the transmitter is
> none functional. Receive is ok, but can't transmit.
>
> I'm pissed.
>
> K2WH
>
>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

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1853. (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 19:38:09 UTC
From: Jon, M1CBH
Topic: 1853 Message: 1853

Hi,

Can anyone give me a hint on where I could tap a constants level AF signal from my 830S, one which is independant of the AF gain control setting, i've already tried the accesory connecter, but the level still changes.

I've tried to work it out for myself and failed, all help appreciated.

Jon, M1CBH

1854. Group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 21:57:32 UTC
From: KØMEL
Topic: 1854 Message: 1854

Thank You, Bill

=====
73
K?MEL

Do you Yahoo!?
Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

1855. Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 23:30:48 UTC
From: R. Braddock
Topic: 1855 Message: 1855

I also have TS-830S that receives very good, but there is a problem with the outputs. When I got the 830, it was pretty well cooked. The PA section was all charred and the voltage regulator card was burned in places. I have since replaced the voltage regulator card and all of the burnt up resistors on the output pc board. I have tried to follow the schematic and rebuild the PA section(obviously, someone had hacked it up pretty bad.Things were just not where they were suppose to beaccording to the schematic and there was evidence of poor solder work. I suspect it was an attempt to 11 meter it), but without any photos or other examples I am not sure it is right. When I turn the switch on on the back of the unit, the 6146s start to glow orange. Also, the tall ceramic coil in the cage is charred pretty well, but it does not check open. I have tried to isolate this by using a variac, but no luck. So, I have continued to use my TS-450S/AT in the meantime. I would really love to get the old TS-830 back on the the air, though. Any help would be greatly appreciated.

Regards,

Richard KI4BFC /AE!!!!

1856. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 23:58:53 UTC
From: Peter A Markavage
Topic: 1855 Message: 1856

The service manual includes assembly/parts layout board drawings plus there are hardware layout drawings along with all the rest of the typical service info you need.
Pete, wa2cwa

On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock" <rbraddock@...> writes:
I also have TS-830S that receives very good, but there is a problem with the outputs. When I got the 830, it was pretty well cooked. The PA section was all charred and the voltage regulator card was burned in places. I have since replaced the voltage regulator card and all of the burnt up resistors on the output pc board. I have tried to follow the schematic and rebuild the PA section(obviously, someone had hacked it up pretty bad.Things were just not where they were suppose to beaccording to the schematic and there was evidence of poor solder work. I suspect it was an attempt to 11 meter it), but without any photos or other examples I am not sure it is right. When I turn the switch on on the back of the unit, the 6146s start to glow orange. Also, the tall ceramic coil in the cage is charred pretty well, but it does not check open. I have tried to isolate this by using a variac, but no luck. So, I have continued to use my TS-450S/AT in the meantime. I would really love to get the old TS-830 back on the the air, though. Any help would be greatly appreciated.

Regards,

Richard KI4BFC /AE!!!!

[Non-text portions of this message have been removed]

1857. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 00:05:12 UTC
From: RBraddock
Topic: 1855 Message: 1857

I have the service manual and could not find a layout for the output section.

Richard KI4BFC /AE
----- Original Message -----
From: Peter A Markavage
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, June 16, 2004 7:58 PM
Subject: Re: [TS-520_820_530_830] Glowing Outputs

The service manual includes assembly/parts layout board drawings plus
there are hardware layout drawings along with all the rest of the typical
service info you need.
Pete, wa2cwa

On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock" <rbraddock@...>
writes:
I also have TS-830S that receives very good, but there is a problem
with the outputs. When I got the 830, it was pretty well cooked. The
PA section was all charred and the voltage regulator card was burned
in places. I have since replaced the voltage regulator card and all
of the burnt up resistors on the output pc board. I have tried to
follow the schematic and rebuild the PA section(obviously, someone
had hacked it up pretty bad.Things were just not where they were
suppose to beaccording to the schematic and there was evidence of
poor solder work. I suspect it was an attempt to 11 meter it), but
without any photos or other examples I am not sure it is right. When
I turn the switch on on the back of the unit, the 6146s start to
glow orange. Also, the tall ceramic coil in the cage is charred
pretty well, but it does not check open. I have tried to isolate
this by using a variac, but no luck. So, I have continued to use my
TS-450S/AT in the meantime. I would really love to get the old TS-
830 back on the the air, though. Any help would be greatly
appreciated.

Regards,

Richard KI4BFC /AE!!!!

[Non-text portions of this message have been removed]

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a.. To visit your group on the web, go to:
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1858. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 00:32:39 UTC
From: Peter A Markavage
Topic: 1855 Message: 1858

Page 11 Final Unit (X56-1380-00)

On Wed, 16 Jun 2004 20:05:12 -0400 "RBraddock" <rbraddock@...>
writes:
I have the service manual and could not find a layout for the output
section.

Richard KI4BFC /AE
----- Original Message -----
From: Peter A Markavage
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, June 16, 2004 7:58 PM
Subject: Re: [TS-520_820_530_830] Glowing Outputs

The service manual includes assembly/parts layout board drawings plus
there are hardware layout drawings along with all the rest of the
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service info you need.
Pete, wa2cwa

On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock"
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this by using a variac, but no luck. So, I have continued to use my
TS-450S/AT in the meantime. I would really love to get the old TS-
830 back on the the air, though. Any help would be greatly
appreciated.

Regards,

Richard KI4BFC /AE!!!!

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[Non-text portions of this message have been removed]

1859. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 06:01:00 UTC
From: bunny-dawg
Topic: 1855 Message: 1859

Peter you can find a jpg of the schematic on the
"rube" webpage. I also have a djvu copy of the manual
showing the final unit x-ray view of the board. It's
on page 11 in my manual tho the page may not
correspond with the printed manual
Robert
VE3 something or other

--- RBraddock <rbraddock@...> wrote:
> I have the service manual and could not find a
> layout for the output section.
>
> Richard KI4BFC /AE
> ----- Original Message -----
> From: Peter A Markavage
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Wednesday, June 16, 2004 7:58 PM
> Subject: Re: [TS-520_820_530_830] Glowing Outputs
>
>
> The service manual includes assembly/parts layout
> board drawings plus
> there are hardware layout drawings along with all
> the rest of the typical
> service info you need.
> Pete, wa2cwa
>
>
> On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock"
> <rbraddock@...>
> writes:
> I also have TS-830S that receives very good, but
> there is a problem
> with the outputs. When I got the 830, it was
> pretty well cooked. The
> PA section was all charred and the voltage
> regulator card was burned
> in places. I have since replaced the voltage
> regulator card and all
> of the burnt up resistors on the output pc board.
> I have tried to
> follow the schematic and rebuild the PA
> section(obviously, someone
> had hacked it up pretty bad.Things were just not
> where they were

> suppose to beaccording to the schematic and there
> was evidence of
> poor solder work. I suspect it was an attempt to
> 11 meter it), but
> without any photos or other examples I am not sure
> it is right. When
> I turn the switch on on the back of the unit, the
> 6146s start to
> glow orange. Also, the tall ceramic coil in the
> cage is charred
> pretty well, but it does not check open. I have
> tried to isolate
> this by using a variac, but no luck. So, I have
> continued to use my
> TS-450S/AT in the meantime. I would really love to
> get the old TS-
> 830 back on the the air, though. Any help would be
> greatly
> appreciated.
>
> Regards,
>
> Richard KI4BFC /AE!!!!
>
> [Non-text portions of this message have been
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>
> [Non-text portions of this message have been
> removed]
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>

=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

_____
Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

1860. Re: Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 12:24:14 UTC
From: Budd Turner : N7EOJ
Topic: 1855 Message: 1860

""rube" webpage"?
"deja vu copy"?

TS-520_820_530_830@yahoogroups.com wrote:

Message: 9
Date: Wed, 16 Jun 2004 23:01:00 -0700 (PDT)
From: bunny-dawg
Subject: Re: Glowing Outputs

Peter you can find a jpg of the schematic on the
"rube" webpage.

"There are three kinds of men: The ones that learn by reading. The few who learn by observation. The rest of them have to pee on the electric fence and find out for themselves." Will Rogers

---

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[Non-text portions of this message have been removed]

1861. Re: Glowing outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 12:43:01 UTC
From: R Braddock
Topic: 1861 Message: 1861

Page 11 of the service manual shows the PA board layout, which I have done. What I am looking for is more of a topside photo of the PA cage that specifically shows all of the point to point connections of the resistors and inductors.

Thanks again,

Richard KI4BFC /AE

[Non-text portions of this message have been removed]

1862. Copy of TS-820 Service Manual on eBay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 13:02:49 UTC
From: Budd Turner
Topic: 1862 Message: 1862

Item number: 5704130691
http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&category=15050&item=5704130691&rd=1

1863. Copy of TS-520 Service Manual on eBay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 13:08:57 UTC
From: Budd Turner
Topic: 1863 Message: 1863

Item number: 5704179761
http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&category=40067&item=5704179761&rd=1

1864. PDF of TS-520 Service Manual on eBay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 13:59:47 UTC
From: Jason Creager
Topic: 1863 Message: 1864

I have a .PDF of the TS-520 Service Manual if anyone wants it.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

All responses subject to the terms of
http://jason.creager.com/disclaimer.html
http://jason.creager.com/uros.html - The #1 Mali Uromastyx Info Source

1865. Adding IF ouptut(s) to a TS-530 to use a SM-220 with a BS8?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 14:31:41 UTC
From: kt4xw
Topic: 1865 Message: 1865

Hello,
I would like to use a sm-220 staion monitor with my ts-530 but I cannot find connection diagrams like the ones shown in the sm-220 manual for the ts-530. The manual has a great explanation of the connections for a ts-820 ,ts-830,and ts-520. I have the bs-8 pan adapter installed. I also have the owners manual and service manual. Any help would greatly be appreciated.

Thanks,
Keith Spainhour, KT4XW

1866. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 15:29:14 UTC
From: Jon, M1CBH
Topic: 1853 Message: 1866

ok, since ther have been no replies, i'll phrase the question another way;

Where in my TS-830 can I find the feed from the demodulator to the AF amplifier?

Jon, M1CBH

----- Original Message -----
From: "Jon, M1CBH" <m1cbh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 16, 2004 8:38 PM
Subject: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

> Hi,
>
> Can anyone give me a hint on where I could tap a constants level AF signal
> from my 830S, one which is independant of the AF gain control setting, i've
> already tried the accesory connecter, but the level still changes.
>
> I've tried to work it out for myself and failed, all help appreciated.
>
> Jon, M1CBH
>
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1867. Re: [TS-520_820_530_830] Adding IF ouptut(s) to a TS-530 to use a SM-220with a BS8?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 16:04:33 UTC
From: Dale Cole
Topic: 1867 Message: 1867

Keith:
I am no expert! But as I recall when I had mine (220) there was a mod that had to be made to one of the rigs. (I think it was adding a cap or something like that). Also you might have to use the BS-5 instead of the BS-8.
It's been awhile since I owned mine so maybe someone can add better comments, or advise me that I am all wet! Read the back pages very carefully (even though Kenwood can't spell worth a darn.)
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/17/04 10:31:58
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Adding IF ouptut(s) to a TS-530 to use a SM-220with a BS8?

Hello,
I would like to use a sm-220 staion monitor with my ts-530 but I cannot find connection diagrams like the ones shown in the sm-220 manual for the ts-530. The manual has a great explanation of the connections for a ts-820 ,ts-830,and ts-520. I have the bs-8 pan adapter installed. I also have the owners manual and service manual. Any help would greatly be appreciated.

Thanks,
Keith Spainhour, KT4XW

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[Non-text portions of this message have been removed]

1868. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 16:28:29 UTC
From: Peter A Markavage
Topic: 1853 Message: 1868

Get it after the detector and before any audio amplifying stages. You can probably use IF Output 2 jack.
Pete, wa2cwa

On Thu, 17 Jun 2004 16:29:14 +0100 "Jon, M1CBH" <m1cbh@...> writes:
ok, since ther have been no replies, i'll phrase the question another way;

Where in my TS-830 can I find the feed from the demodulator to the AF amplifier?

Jon, M1CBH

----- Original Message -----
From: "Jon, M1CBH" <m1cbh@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, June 16, 2004 8:38 PM
Subject: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain
position

> Hi,
>
> Can anyone give me a hint on where I could tap a constants level AF signal
> from my 830S, one which is independant of the AF gain control setting, i've
> already tried the accesory connecter, but the level still changes.
>
> I've tried to work it out for myself and failed, all help appreciated.
>
> Jon, M1CBH
>
>
>

[Non-text portions of this message have been removed]

1869. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 17:49:40 UTC
From: Peter A Markavage
Topic: 1855 Message: 1869

Check to make sure you don't have excessive screen voltage and also check for adequate negative bias on the grids of the 6146's. Not enough negative, zero, or positive voltage will light those suckers up, orange and then red, but only for a short time. If it's happened several times already, you may have already kissed those tubes good-bye.

Pete, wa2cwa

On Wed, 16 Jun 2004 20:05:12 -0400 "RBraddock" <rbraddock@...>
writes:
I have the service manual and could not find a layout for the output section.

Richard KI4BFC /AE
----- Original Message -----
From: Peter A Markavage
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, June 16, 2004 7:58 PM
Subject: Re: [TS-520_820_530_830] Glowing Outputs

The service manual includes assembly/parts layout board drawings plus there are hardware layout drawings along with all the rest of the typical
service info you need.
Pete, wa2cwa

On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock"
<rbraddock@...>
writes:
I also have TS-830S that receives very good, but there is a problem with the outputs. When I got the 830, it was pretty well cooked. The PA section was all charred and the voltage regulator card was burned in places. I have since replaced the voltage regulator card and all of the burnt up resistors on the output pc board. I have tried to follow the schematic and rebuild the PA section(obviously, someone had hacked it up pretty bad.Things were just not where they were suppose to beaccording to the schematic and there was evidence of poor solder work. I suspect it was an attempt to 11 meter it), but without any photos or other examples I am not sure it is right. When I turn the switch on on the back of the unit, the 6146s start to glow orange. Also, the tall ceramic coil in the cage is charred pretty well, but it does not check open. I have tried to isolate this by using a variac, but no luck. So, I have continued to use my TS-450S/AT in the meantime. I would really love to get the old TS-830 back on the the air, though. Any help would be greatly appreciated.

Regards,

Richard KI4BFC /AE!!!!

[

[Non-text portions of this message have been removed]

1870. Re: [TS-520_820_530_830] Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 17:43:06 UTC
From: Peter A Markavage
Topic: 1855 Message: 1870

Thanks, but I'm not the guy asking for the info. I already have most of
Kenwoooood's service manuals. And, yes, it's page 11 in both places,
since the djvu copy was scanned from a manual.

Pete, wa2cwa
www.manualman.com

On Wed, 16 Jun 2004 23:01:00 -0700 (PDT) bunny-dawg <edheenan@...>
writes:
Peter you can find a jpg of the schematic on the
"rube" webpage. I also have a djvu copy of the manual
showing the final unit x-ray view of the board. It's
on page 11 in my manual tho the page may not
correspond with the printed manual
Robert
VE3 something or other

--- RBraddock <rbraddock@...> wrote:
> I have the service manual and could not find a
> layout for the output section.
>
> Richard KI4BFC /AE
> ----- Original Message -----
> From: Peter A Markavage
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Wednesday, June 16, 2004 7:58 PM
> Subject: Re: [TS-520_820_530_830] Glowing Outputs
>
>
> The service manual includes assembly/parts layout
> board drawings plus
> there are hardware layout drawings along with all
> the rest of the typical
> service info you need.
> Pete, wa2cwa
>
>
> On Wed, 16 Jun 2004 23:30:48 -0000 "R. Braddock"
> <rbraddock@...>
> writes:
> I also have TS-830S that receives very good, but
> there is a problem
> with the outputs. When I got the 830, it was
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> regulator card was burned

> in places. I have since replaced the voltage
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> of the burnt up resistors on the output pc board.
> I have tried to
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> suppose to beaccording to the schematic and there
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> poor solder work. I suspect it was an attempt to
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> without any photos or other examples I am not sure
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> TS-450S/AT in the meantime. I would really love to
> get the old TS-
> 830 back on the the air, though. Any help would be
> greatly
> appreciated.
>
> Regards,
>
> Richard KI4BFC /AE!!!!
>
> [Non-text portions of this message have been
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> [Non-text portions of this message have been
> removed]
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>

=====
Accepting donations of broken or unwanted equipment. I like to tinker
with ham radios. Also if you need a manual for a radio ask and if i have
it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is
www3.sympatico.ca/r.heenan/index.htm
Take care
Robert

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[Non-text portions of this message have been removed]

1871. 12by7a replacement tube question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 19:28:05 UTC
From: ka9vaa
Topic: 1871 Message: 1871

I recently found 24 brand new GE7054 tubes. I was told by a friend
that they were a replacement foe the 12by7a tubes for use in radios
and are rate 13.5 filiament volts compared to 12.5 in the 12by7s.
Anyone know anything about these tubes (Bill).? I may have a find here.

Tom

1872. Re: [TS-520_820_530_830] 12by7a replacement tube question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 21:25:11 UTC
From: Peter A Markavage
Topic: 1871 Message: 1872

The specs for both tubes look fairly close. The 7054 was also known as
the 8077.
Pete, wa2cwa

On Thu, 17 Jun 2004 19:28:05 -0000 "ka9vaa" <ka9vaa@...>
writes:
I recently found 24 brand new GE7054 tubes. I was told by a friend
that they were a replacement foe the 12by7a tubes for use in radios
and are rate 13.5 filiament volts compared to 12.5 in the 12by7s.
Anyone know anything about these tubes (Bill).? I may have a find here.

Tom

[Non-text portions of this message have been removed]

1873. Speaking of tubes.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 21:32:35 UTC
From: k2wh_bill
Topic: 1873 Message: 1873

I need to purchase a pair (New) of 6146B's. Anyone have a good reliable source for honest to goodness NOS tubes. I have various sources, but just want to know if anyone out there has had a good experience with any one particular vendor.

K2WH

1874. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-16 23:53:13 UTC
From: Alan Wolke
Topic: 1853 Message: 1874

Jon,

The first place that I would try would be the emitter of Q3 on the AF Unit (the terminal that connects to R34). This is part of the AF amplifier that drives the top of the AF Gain potentiometer. The pot is actually driven off of the collector of the transistor. R34 provides some emitter degeneration, so it is a nice low-impedance point to pick the signal off, and it won't load the drive to the pot.

Let me know if it works...

If you have difficulty getting to the aforementioned point, you could always try terminal 3 of the AF pot (but you will want to minimize loading).

73,
Alan W2AEW

"Jon, M1CBH" wrote:

> Hi,
>
> Can anyone give me a hint on where I could tap a constants level AF
> signal
> from my 830S, one which is independant of the AF gain control setting,
> i've
> already tried the accesory connecter, but the level still changes.
>
> I've tried to work it out for myself and failed, all help appreciated.
>
> Jon, M1CBH
>
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>
--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1875. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 21:54:11 UTC
From: Jon, M1CBH
Topic: 1875 Message: 1875

thanks Alan, i'll try and get to Q3 on the AF board, although theAF gain terminal woldn't be much of a problem as i'm planning to use a 741 op-amp ic as a buffer anyway.

regards and 73's

Jon, M1CBH

----- Original Message -----
From: "Alan Wolke" <w2aew@...>
To: <TS-520_820_530_830@yahoogroups.com>; <m1cbh@...>
Sent: Thursday, June 17, 2004 12:53 AM
Subject: Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

> Jon,
>
> The first place that I would try would be the emitter of Q3 on the AF
> Unit (the terminal that connects to R34). This is part of the AF
> amplifier that drives the top of the AF Gain potentiometer. The pot is
> actually driven off of the collector of the transistor. R34 provides
> some emitter degeneration, so it is a nice low-impedance point to pick
> the signal off, and it won't load the drive to the pot.
>
> Let me know if it works...
>
> If you have difficulty getting to the aforementioned point, you could
> always try terminal 3 of the AF pot (but you will want to minimize
> loading).
>
> 73,
> Alan W2AEW
>
> "Jon, M1CBH" wrote:
>
> > Hi,
> >
> > Can anyone give me a hint on where I could tap a constants level AF
> > signal
> > from my 830S, one which is independant of the AF gain control setting,
> > i've
> > already tried the accesory connecter, but the level still changes.
> >
> > I've tried to work it out for myself and failed, all help appreciated.
> >

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> >
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> Alan Wolke, W2AEW
> "i usta cuDn't speL enjinere, noW i ar wuN"
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1876. Re: 12by7a replacement tube question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 22:08:50 UTC
From: ka9vaa
Topic: 1871 Message: 1876

--- In TS-520_820_530_830@yahoogroups.com, Peter A Markavage
<pmarkavage@j...> wrote:
> The specs for both tubes look fairly close. The 7054 was also known as
> the 8077.
> Pete, wa2cwa
>
>
> Thank you Pete, I'll give one a try. May be enough for a lifetime, hi.

Tom

1877. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 00:19:43 UTC
From: Alan Wolke
Topic: 1853 Message: 1877

Jon,

I replied on Wednesday, I don't know why it didn't show up. Anyway,
here it is again....

The first place that I would try would be the emitter of Q3 on the AF
Unit (the terminal that connects to R34). This is part of the AF
amplifier that drives the top of the AF Gain potentiometer. The pot is
actually driven off of the collector of the transistor. R34 provides
some emitter degeneration, so it is a nice low-impedance point to pick
the signal off, and it won't load the drive to the pot.

Let me know if it works...

If you have difficulty getting to the aforementioned point, you could
always try terminal 3 of the AF pot (but you will want to minimize
loading).

73,
Alan W2AEW

"Jon, M1CBH" wrote:

> ok, since ther have been no replies, i'll phrase the question another
> way;
>
> Where in my TS-830 can I find the feed from the demodulator to the AF
> amplifier?
>
> Jon, M1CBH
>
>
>
> ----- Original Message -----
> From: "Jon, M1CBH" <m1cbh@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Wednesday, June 16, 2004 8:38 PM
> Subject: [TS-520_820_530_830] (TS-830S)constant level indepentant of
> AF gain
> position
>
>
> > Hi,
> >
> > Can anyone give me a hint on where I could tap a constants level AF

> signal
> > from my 830S, one which is independant of the AF gain control
> setting,
> i've
> > already tried the accesory connecter, but the level still changes.
> >
> > I've tried to work it out for myself and failed, all help
> appreciated.
> >
> > Jon, M1CBH
> >
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--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

1878. RE: [TS-520_820_530_830] Re: Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 06:05:38 UTC
From: bill
Topic: 1855 Message: 1878

Hi All,
speaking of "peeing on the electric fence" when I was a boy aged 17 and I had been
in the army as a boy entrant since I was 15. We were doing an exercise before we all got
posted to our regular army units in Germany. I was operating the HQ station in barracks
and had a 40 foot vertical up outside the radio room. We had put up some red and white tape
around the antenna to keep people away from it. In the barracks there were some workmen doing
some building and drains work and at about 23:00 one Saturday night I was sending a message to
one of the stations in the field and one of the Navies, who was Irish, came back into camp
where they were staying, rather worse for the drink ! You've guessed it, he decided to relieve
himself against the antenna, we'll never know why he climbed over the tape. Unfortunately for him
I was still transmitting and he must have wondered what hit him ! I went to see him in Plymouth
Hospital the next afternoon with a couple of my mates and while he could see the funny side of it
he did have some nasty RF burns to his private parts.

Have a nice weekend everyone
73 de Bill G4KKI

-----Original Message-----
From: Budd Turner : N7EOJ [mailto:n7eoj@...]
Sent: 17 June 2004 12:24
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Glowing Outputs

""rube" webpage"?
"deja vu copy"?

TS-520_820_530_830@yahoogroups.com wrote:

Message: 9
Date: Wed, 16 Jun 2004 23:01:00 -0700 (PDT)
From: bunny-dawg
Subject: Re: Glowing Outputs

Peter you can find a jpg of the schematic on the
"rube" webpage.

"There are three kinds of men: The ones that learn by reading. The few who learn by observation. The rest of them have to pee on the electric fence and find out for themselves." Will Rogers

---

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1879. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 12:19:06 UTC
From: james27613@att.net
Topic: 1879 Message: 1879

hi

http://www.surplussales.com/

go to tube section new jan final and driver tubes.

Good to do business with.

73 james ke4drn

1880. Re: [TS-520_820_530_830] Re: Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 13:20:57 UTC
From: RBraddock
Topic: 1855 Message: 1880

Bill,

I guess he experienced a form of "glowing output", also!

Cheers,

Richard KI4BFC

[Non-text portions of this message have been removed]

1881. TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 15:25:42 UTC
From: Jason Creager
Topic: 1853 Message: 1881

Hi there,

Is there any reason that I wouldn't want a TS-830S instead of the TS-520 with CW filter and display output that I have now? There's one for sale locally with the mic and I'm tempted to get it then sell my TS-520. By the time I buy a digital display ($60 or $150) and an MC-50, it'd probably be cheaper in the long run to buy the other radio and sell this one.

I've read about the 830s' flaky display and a No Ox fix for it.

Any input is appreciated.

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1882. Re: TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 18:07:18 UTC
From: ka9vaa
Topic: 1853 Message: 1882

--- In TS-520_820_530_830@yahoogroups.com, "Jason Creager"
<jason@c...> wrote:
> Hi there,
>
> Is there any reason that I wouldn't want a TS-830S instead of the TS-520
> with CW filter and display output that I have now? There's one for sale
> locally with the mic and I'm tempted to get it then sell my TS-520.
By the
> time I buy a digital display ($60 or $150) and an MC-50, it'd
probably be
> cheaper in the long run to buy the other radio and sell this one.
>
> I've read about the 830s' flaky display and a No Ox fix for it.
>
> Any input is appreciated.
>
> Thanks,
> Jason
> -
I can not think of any reason you would not want a 830, I have a 520se
- 820 - 830 and they are all great in there own way, of course the 830
tops them all, has the notch and vbt and if shift plus warc bands.
Just one of the best kenwoods ever made. I have never had what I would
call a problem with any of them. Had to clean the band switch on the
830 and 820. The 520se has never had the cover off and was bought in
1980. I use a mc-50 with all of them, you may want to pickup one.
Tom
> ==
> http://jason.creager.com kc0erg@q... Las Vegas, NV
>
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1883. TS-820S vs.TS-520 - Wrong Model

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 19:23:11 UTC
From: Jason Creager
Topic: 1853 Message: 1883

Sorry, hit the wrong key.

It's actually an 820S that I'm considering.

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1884. Re: [TS-520_820_530_830] TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 21:06:33 UTC
From: NORM FUSARO
Topic: 1853 Message: 1884

IF shift, Notch filter and a whole lot tighter RX. The TS-830 was the top of the line in its day. I have a fully filtered FT-1000MP and it is just nice to turn on the 830 for fun.
73,
Norm, W3IZ

----- Original Message -----
From: Jason Creager
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, June 18, 2004 11:25 AM
Subject: [TS-520_820_530_830] TS-830S vs.TS-520

Hi there,

Is there any reason that I wouldn't want a TS-830S instead of the TS-520 with CW filter and display output that I have now? There's one for sale locally with the mic and I'm tempted to get it then sell my TS-520. By the time I buy a digital display ($60 or $150) and an MC-50, it'd probably be cheaper in the long run to buy the other radio and sell this one.

I've read about the 830s' flaky display and a No Ox fix for it.

Any input is appreciated.

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1885. Re: [TS-520_820_530_830] TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 22:02:34 UTC
From: Mike Kelly
Topic: 1853 Message: 1885

Why sell the 520 ? Unless you need the money for the 830, keep it. I have a 130, and a 530, and am looking for a nice clean 830 for a decent price. When you get the VFOs, ATs, and speakers to match. WOW Now that is rig personality. These new radios are great, sure, but it's like set it and forget it. Soon Ron Popiel will be on TV trying to sell his version. Just compare the sound coming from a 830 vs. a new model high tech rig. That's just my opinion, but I know I'm right. HI HI 73 Mike KB3LAU

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[Non-text portions of this message have been removed]

1886. Re: TS-820S vs.TS-520 - Wrong Model

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-18 22:08:24 UTC
From: pchapman9202003
Topic: 1853 Message: 1886

I have an 820s and can comment to that. Two problems. One you mentioned which is the display. I have not had that problem but there was a note in the manual that a new one was put in a few years ago when they were still available.

The other is that the T/R relay will wear out. Mine did and cleaning was good for three or four weeks and then out again. I did find one supplier on the planet and bought a fair amount of what he had on hand. Other than bandswitch cleaning, a really nice radio. The receiver is a little sharper than my new icom 718, which a great box for the bucks.

1887. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 03:02:34 UTC
From: Dale Cole
Topic: 1879 Message: 1887

Get "W" 's if you can; instead of the 6146B
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/18/04 08:20:43
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 6146 tube source

hi

http://www.surplussales.com/

go to tube section new jan final and driver tubes.

Good to do business with.

73 james ke4drn

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1888. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 03:50:27 UTC
From: Jim Wilson
Topic: 1879 Message: 1888

Don't think so! The 6146 and 6146w have 25 watt plate dissipation rating
while the 6146B has 35 watts. Unless you need the more rugged tube for
mobile use, the B version will give you a bit more safety factor.

Jim, w5mhl

At 08:02 PM 6/18/2004, Dale Cole wrote:

>Get "W" 's if you can; instead of the 6146B
>Dale K9TTT
>
>-------Original Message-------
>
>From: TS-520_820_530_830@yahoogroups.com
>Date: 06/18/04 08:20:43
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 6146 tube source
>
>hi
>
>http://www.surplussales.com/
>
>go to tube section new jan final and driver tubes.
>
>Good to do business with.
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1889. no HV meter Reading

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 03:53:03 UTC
From: Hal
Topic: 1889 Message: 1889

Ok, I just got my 520 out so I could play with it since I just upgraded to Extra. So, I tune it up and it does tune up normal and it shows about 120 watts out and all the other meter readings work but when I turn the meter to HV it goes to 0. and to be honest I don't remember if it ever did show anything.. I haven't used this 520 in a few years. The SG switch is on and the tubes are glowing. Any ideas?

AC0AX
(ex-KC0BDW)
Hal

1890. Re: [TS-520_820_530_830] no HV meter Reading

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 04:20:22 UTC
From: Mike Kelly
Topic: 1889 Message: 1890

Come on now , an extra should know this.

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[Non-text portions of this message have been removed]

1891. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 05:13:04 UTC
From: Peter A Markavage
Topic: 1879 Message: 1891

Before we beat the 6146 issue to death again, read this article,
http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm

Beyond a certain date code, 1964/65, 6146W's were equivalent to the B's.
But, do you think the guy at the other end of the QSO is going to see a
difference of 10 or 20 watts? Use a good pair of 6146A, W's, B's, or some
of the other 4 digit equivalents.

Pete, wa2cwa

On Fri, 18 Jun 2004 20:50:27 -0700 Jim Wilson <w5mhl@...> writes:
Don't think so! The 6146 and 6146w have 25 watt plate dissipation rating

while the 6146B has 35 watts. Unless you need the more rugged tube for
mobile use, the B version will give you a bit more safety factor.

Jim, w5mhl

At 08:02 PM 6/18/2004, Dale Cole wrote:

>Get "W" 's if you can; instead of the 6146B
>Dale K9TTT
>
>-------Original Message-------
>
>From: TS-520_820_530_830@yahoogroups.com
>Date: 06/18/04 08:20:43
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 6146 tube source
>
>hi
>
>http://www.surplussales.com/
>
>go to tube section new jan final and driver tubes.
>
>Good to do business with.
>
>73 james ke4drn
>
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[Non-text portions of this message have been removed]

1892. Re: [TS-520_820_530_830] TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 09:55:13 UTC
From: Jason Creager
Topic: 1853 Message: 1892

On 6/18/04 at 3:02 PM Mike Kelly wrote:

>Why sell the 520 ? Unless you need the money for the 830, keep it.

It's actually an 820S and I would need the money to pay for it. A guy locally has one with the MC-50 mic (which I don't have), so I figured I could sell the 520 and "upgrade" to the 820S and get the mic and digital display for less money than if I bought the $60 AADE display and the mic...and if it's a better rig, then great!

Being completely new to HF, I'd really like a digital display to keep me from making mistakes. Having 160M would be a nice option, too.

-
==========
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1893. 520 Mic Impedance?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 09:56:49 UTC
From: Jason Creager
Topic: 1853 Message: 1893

What's the impedance required for a TS-520 microphone?

My loaner President mic is 500 ohms. Since I'm getting no output and I think I'm tuned right, I'm suspecting the mic.

-

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1894. Re: [TS-520_820_530_830] 520 Mic Impedance?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 11:16:52 UTC
From: Ian Tough
Topic: 1853 Message: 1894

Jason,

I believe the mic impedence for the TS-520 is 50 kohm. I use an MC-50 desk mic which is 600 ohm/50 kohm switchable but fist mics are still available.

Ian (G0IHK).
----- Original Message -----
From: Jason Creager
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, June 19, 2004 10:56 AM
Subject: [TS-520_820_530_830] 520 Mic Impedance?

What's the impedance required for a TS-520 microphone?

My loaner President mic is 500 ohms. Since I'm getting no output and I
think I'm tuned right, I'm suspecting the mic.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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[Non-text portions of this message have been removed]

1895. Re: [TS-520_820_530_830] (TS-830S)constant level indepentant of AF gain position

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-17 15:55:01 UTC
From: mrogoff@cesmail.net
Topic: 1853 Message: 1895

A better place might be to find the connection to the volume control. One side of the volume control should be ground and the other side should be hot audio at a constant level. There should be some audio amplifier stages feeding the control so the connection there should not disturb anything. The closer you move to the antenna the more trouble you can cause by tapping in. If you tap in to the audio output of the demodulator you upset its operation.

Quoting "Jon, M1CBH" <m1cbh@...>:

> ok, since ther have been no replies, i'll phrase the question
> another way;
>
> Where in my TS-830 can I find the feed from the demodulator to the
> AF
> amplifier?
>
> Jon, M1CBH
>
> ----- Original Message -----
> From: "Jon, M1CBH"
> To:
> Sent: Wednesday, June 16, 2004 8:38 PM
> Subject: [TS-520_820_530_830] (TS-830S)constant level indepentant of
> AF gain
> position
>
> > Hi,
> >
> > Can anyone give me a hint on where I could tap a constants level
> AF signal
> > from my 830S, one which is independant of the AF gain control
> setting,
> i've
> > already tried the accesory connecter, but the level still changes.
> >
> > I've tried to work it out for myself and failed, all help
> appreciated.
> >
> > Jon, M1CBH
> >
> >
> >
> >
> >

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>

1896. Re: TS-830S vs.TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 13:12:31 UTC
From: Budd Turner : N7EOJ
Topic: 1853 Message: 1896

If the TS-830 is reasonably priced, get it.
Operate them both side-by-side and see for yourself.
I had a TS-520, two TS-820s and two TS-830s.
I sold the TS-820s first, then the TS-520, although I miss it.
I did the Kenwood International User Club receiver mods and added narrower filters to the TS-520. It received better than the TS-830 and consistently received better signal reports in comparison transmissions.
You can always easily sell either.

Budd

TS-520_820_530_830@yahoogroups.com wrote:
Subject: TS-830S vs.TS-520

Hi there,

Is there any reason that I wouldn't want a TS-830S instead of the TS-520 with CW filter and display output that I have now? There's one for sale locally with the mic and I'm tempted to get it then sell my TS-520. By the time I buy a digital display ($60 or $150) and an MC-50, it'd probably be cheaper in the long run to buy the other radio and sell this one.

I've read about the 830s' flaky display and a No Ox fix for it.

Any input is appreciated.

Thanks,
Jason

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[Non-text portions of this message have been removed]

1897. RE: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 03:39:18 UTC
From: Bill
Topic: 1879 Message: 1897

Thanks, I already read Glens article on the 6146 family of tubes and followed his
advice.

Bill K2WH

-----Original Message-----
From: Peter A Markavage [mailto:pmarkavage@...]
Sent: Saturday, June 19, 2004 11:13 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 6146 tube source

Before we beat the 6146 issue to death again, read this article,
http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm

[Non-text portions of this message have been removed]

1898. RE: [TS-520_820_530_830] no HV meter Reading

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 03:41:25 UTC
From: Bill
Topic: 1889 Message: 1898

While I agree about the Extra remark, your lack of HV readings is probably very simple
to solve. I would recommend you get a copy of the service manual for the 520 and look
at the meter switch and solve the problem from there. Be careful, 900 vdc can kill and
if not killing you, will certainly hurt.

K2WH

-----Original Message-----
From: Hal [mailto:kc0bdw@...]
Sent: Saturday, June 19, 2004 9:53 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] no HV meter Reading

Ok, I just got my 520 out so I could play with it since I just upgraded to Extra. So, I tune it up and it does tune up normal and it shows about 120 watts out and all the other meter readings work but when I turn the meter to HV it goes to 0. and to be honest I don't remember if it ever did show anything.. I haven't used this 520 in a few years. The SG switch is on and the tubes are glowing. Any ideas?

AC0AX
(ex-KC0BDW)
Hal

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<http://us.adserver.yahoo.com/l?M=298184.5022502.6152625.3001176/D=groups/S=:HM/A=2164339/rand=993826122>

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[Non-text portions of this message have been removed]

1899. TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 16:21:44 UTC
From: John
Topic: 1213 Message: 1899

Hi,
I have a TS-520, but no user manual, does anyone no if theres a copy on the web that I can download? I have a service manual but would like a copy of the user manual.

Cheers,

John
2E0EWL

1900. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 17:32:56 UTC
From: Jim Wilson
Topic: 1879 Message: 1900

Thanks to Pete for the excellent reference. It is interesting in light of the information provided there that Kenwood specifically calls for the 6146B to be used in the TS-830s in 1980. I guess you pays your money and takes your chances!

Jim,W5mhl

At 10:13 PM 6/18/2004, you wrote:

>Before we beat the 6146 issue to death again, read this article,
>http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm
>
>Beyond a certain date code, 1964/65, 6146W's were equivalent to the B's.
>But, do you think the guy at the other end of the QSO is going to see a
>difference of 10 or 20 watts? Use a good pair of 6146A, W's, B's, or some
>of the other 4 digit equivalents.
>
>Pete, wa2cwa
TS-520_820_530_830@yahoogroups.com,

1901. Re: [TS-520_820_530_830] 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 18:56:31 UTC
From: Peter A Markavage
Topic: 1879 Message: 1901

Kenwood used the Japanese S2001A's in the 830S and a number of their other rigs. Their claim was that the S2001A was electrically equivalent to the 6146B. Currently, it's your job to figure what's best for you. If you use the 6146A's or the "early W's", you just don't load it (plate current) as high as the B's or "B equivalents". That additional 20, 30, 40, or 50 ma on the plate meter won't make any difference to the guy at the other end with any of the tubes. I generally load my 830 to about 200 ma and the B's have been in there since 1989. The 6146's are hardy tubes and you really have to push them to extremes before they drop dead. Generally the extremes also include popping some resistors, charring the board, frying components in the power supply, churls of smoke seeping from the vent holes, etc. etc. I think I just described an 830 modified for CB.

Pete, wa2cwa

On Sat, 19 Jun 2004 10:32:56 -0700 Jim Wilson <w5mhl@...> writes:
Thanks to Pete for the excellent reference. It is interesting in light
of
the information provided there that Kenwood specifically calls for the
6146B to be used in the TS-830s in 1980. I guess you pays your money
and
takes your chances!

Jim,W5mhl

At 10:13 PM 6/18/2004, you wrote:

>Before we beat the 6146 issue to death again, read this article,
>http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm
>
>Beyond a certain date code, 1964/65, 6146W's were equivalent to the B's.
>But, do you think the guy at the other end of the QSO is going to see a
>difference of 10 or 20 watts? Use a good pair of 6146A, W's, B's, or
some
>of the other 4 digit equivalents.
>
>Pete, wa2cwa
TS-520_820_530_830@yahoogroups.com,

[Non-text portions of this message have been removed]

1902. TS-520S Tuning Dial Stuck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 20:10:36 UTC
From: Keith Hanks
Topic: 1902 Message: 1902

I just bought a second TS-520, the S version, to have the portability of 12V operation. It just arrived and everything LOOKS ok except the tuning dial won't move. The Main tuning knob turns but the Dail scale and the Sub-dial both do not move. It was represented as good condition when I ordered it and perhaps it got bumped in transit. At this point do I declare it DOA or are there any suggestions as to how to get the thing unstuck?

I haven't tried powering it up yet.

Thanks for any help.

Keith Hanks

1903. Re: [TS-520_820_530_830] TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 22:08:51 UTC
From: Jason Creager
Topic: 1213 Message: 1903

There is no copy of the TS-520 User Manual...yet. There's one for the 520S and it "works", but the knobs are different and it's not exactly the same.

However, I purchased a 9+ condition manual from eBay and hope to have it .PDFed in the next week or so depending on whether or not my scanner still works.

-

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1904. RE: [TS-520_820_530_830] TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 11:48:54 UTC
From: Bill
Topic: 1213 Message: 1904

If you need a copy of the service manual and users manual for the 520
let me know.

K2WH

-----Original Message-----
From: Jason Creager [mailto:jason@...]
Sent: Sunday, June 20, 2004 4:09 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-520

There is no copy of the TS-520 User Manual...yet. There's one for the
520S
and it "works", but the knobs are different and it's not exactly the
same.

However, I purchased a 9+ condition manual from eBay and hope to have it
.PDFed in the next week or so depending on whether or not my scanner
still
works.
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p://www.netflix.com/Default?mqso=60183348> click here

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[Non-text portions of this message have been removed]

1905. Re: 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-19 23:52:32 UTC
From: georgesimmans
Topic: 1879 Message: 1905

--- In TS-520_820_530_830@yahoogroups.com, Peter A Markavage
<pmarkavage@j...> wrote:
> Kenwood used the Japanese S2001A's in the 830S and a number of their
> other rigs. Their claim was that the S2001A was electrically
equivalent
> to the 6146B. of this message have been removed]

I have recently purchased what was described as 6146 tubes on the
net, they are in fact S2100A's

I haven,t seen all this thread but are these suitable for my 520S

many thanks

george

1906. Re: [TS-520_820_530_830] TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 00:23:10 UTC
From: bunny-dawg
Topic: 1213 Message: 1906

Jason et al.
If you need a manual for that radio or other radios
for that matter your best bet would be to join the
yahoo group hamftp.
If the manual isn't available just post a message to
the group. Helpful bunch of hams there.
I have the 520 manual as well as others that i will
make available on the ftp server or "rube"
I will upload to the server later on this evening or
tomorrow if it is not already there.
Take care
Robert
VE3 something or other

--- Jason Creager <jason@...> wrote:
> There is no copy of the TS-520 User Manual...yet.
> There's one for the 520S
> and it "works", but the knobs are different and it's
> not exactly the same.
>
> However, I purchased a 9+ condition manual from eBay
> and hope to have it
> ..PDFed in the next week or so depending on whether
> or not my scanner still
> works.
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=====
Accepting donations of broken or unwanted equipment. I like to tinker with ham radios. Also if you need a manual for a radio ask and if i have it i will upload it to "Rube" if it isn't already there.
My website which is very much under constrution is www3.sympatico.ca/r.heenan/index.htm

Take care
Robert

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1907. Re: [TS-520_820_530_830] Re: 6146 tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 00:48:38 UTC
From: Peter A Markavage
Topic: 1879 Message: 1907

Not if they're S2100A.

As indicated on all the schematics and parts lists for the TS-520 series, 820 series, 530, series, 830 series, and T-599 series, the final tubes were S2001A's.

Pete, wa2cwa

On Sat, 19 Jun 2004 23:52:32 -0000 "georgesimmans" <simmans@...> writes:
--- In TS-520_820_530_830@yahoogroups.com, Peter A Markavage <pmarkavage@j...> wrote:
> Kenwood used the Japanese S2001A's in the 830S and a number of their
> other rigs. Their claim was that the S2001A was electrically equivalent
> to the 6146B. of this message have been removed]

I have recently purchased what was described as 6146 tubes on the net, they are in fact S2100A's

I haven,t seen all this thread but are these suitable for my 520S

many thanks

george

[Non-text portions of this message have been removed]

1908. Re: TS-520S Tuning Dial Stuck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 03:10:00 UTC
From: Keith Hanks
Topic: 1902 Message: 1908

Solved it.

Keith

--- In TS-520_820_530_830@yahoogroups.com, "Keith Hanks"
<kwhanks@e...> wrote:
> I just bought a second TS-520, the S version, to have the portability
> of 12V operation. It just arrived and everything LOOKS ok except the
> tuning dial won't move. The Main tuning knob turns but the Dail scale
> and the Sub-dial both do not move. It was represented as good
> condition when I ordered it and perhaps it got bumped in transit. At
> this point do I declare it DOA or are there any suggestions as to how
> to get the thing unstuck?
>
> I haven't tried powering it up yet.
>
> Thanks for any help.
>
> Keith Hanks

1909. Tuning a TS-520 SE and TS-520 S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 05:29:23 UTC
From: Keith Hanks
Topic: 1909 Message: 1909

I have been following several of the posts about tuning. I have generally been using 20 meters and tuning into the dummy load on my MFJ 949E tuner.

At 14.3265 I had the following results:

IP w/ USB 60 mA, IP w/ CW 70 mA

ALC,TUNE, ALC peaked at 2/3 using Drive, CAR about 1.0

IP, TUNE PLATE dipped at 50 mA mark w/ PLATE indicator at the "1" in the "14" and LOAD way counterclockwise

RF, CW PLATE to left end of solid white line under 14, LOAD at 10 o'clock, output 280 mA on scale and 100 W on MFJ 949E Tuner Scale When I flip the standby switch to send nothing happens. I have to key the CW key to get anything to move. Am I doing the right thing, or am I killing something????

With my antenna tuned for 40 M and the dial set at 7.330

IP, USB 60 mA

ALC, TUNE ALC peaks at 2/3 scale w/ CAR at about 0.9

IP, TUNE 50 mA, plate dip pronounced at mark between 3.5 and 7

RF, CW No response????

On 20 M with mike gain set so that peaks go to full ALC scale it looks like I am putting out about 30 Watts peak. I am wondering if I have killed the tubes.

Thanks for any guidance.

Keith

1910. 520 Tuning Questions

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 09:44:16 UTC
From: Jason Creager
Topic: 1909 Message: 1910

Hi there,

A couple of questions. First, RF Gain down, Needle up? Is that what's supposed to happen?

Following the tuning procedure in the manual:

When I get to the Plate/Load tuning and flip to SEND, the needle pegs instantly. The RF Volt adjustment has no affect at all. It's hard to "peak" when it's already pegged!

When I tried to transmit earlier today, I the Forward meter on the tuner registered about twenty watts. Could that be a SSB thing? When I'm connected to the dummy load, I get much, much higher readings for forward and reverse.

I haven't yet tried to tune it following KG6HAF's webpage, so perhaps there's some step that I'm missing or incorrectly interpreting from the 520 manual.

Also, what kind of connector do I need for my key?

Thanks,
Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1911. Re: [TS-520_820_530_830] TS-820s Digital Display Problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 13:13:00 UTC
From: Bill K0ZL
Topic: 1850 Message: 1911

Looks like one of your counter or display memory chips
is bad.. decoder I mean... you will have to do some
digital sleuthing.

From the numbers, I can't discern a pattern right off
the bat. Get the schematic and look at the bit
patterns that are set up for a certain display. Start
at zero since that seems to be working.

You can run right up to where the digital readout
begins to be mux'ed for the display; if you don't find
anything up to that point, I would be surprised. Once
it's muxed, the display should get all screwy if it's
a multiplexing issue.

b

--- k2wh_bill <k2wh@...> wrote:
> Of course I have problems you say. The digital
> display is a well
> known problem with the 820's. I have repaired 2 of
> these units with
> flaky displays by removing the counter and tube,
> opening the counter
> and cleaning all the connection pins and checking
> for solder
> connections to the thru holes in the boards.
>
> Anyway, on the 3rd unit, after cleaning the display
> came on nicely.
> Tuning around on the bands, I got these readings
>
> Analog dial Digital Display
>
> Band 160 80 40 20 15 10
>
> 500 2.300 4.000 7.700 14.700 23.700
> 28.700
> 400 2.200 3._00 7.400 14.400 23.400
> 28.400
> 300 2.300 3.800 7.300 14.300 23.300
> 28.300
> 200 2.000 3.700 7.200 14.200 23.200
> 28.200
> 100 3._00 3.600 7.300 14.300 23.300
> 28.300

> 000 3.800 3.700 7.000 14.000 23.000
> 28.000
>
> Strange readings indeed. While the display now
> works (somewhat), can
> anyone explain the strange numbers?
>
> K2WH
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1912. RE: [TS-520_820_530_830] TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 15:59:57 UTC
From: Mr john keefe
Topic: 1213 Message: 1912

Thanks, I have a copy of the service manual, but would
like a copy of the user manual, as I am in the UK
would it be possible to upload a copy to the files
section of the group?
many thanks,

John

--- Bill <k2wh@...> wrote:
> If you need a copy of the service manual and users
> manual for the 520
> let me know.
>
> K2WH
>
> -----Original Message-----
> From: Jason Creager [mailto:jason@...]
> Sent: Sunday, June 20, 2004 4:09 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] TS-520
>
>
> There is no copy of the TS-520 User Manual...yet.
> There's one for the
> 520S
> and it "works", but the knobs are different and it's
> not exactly the
> same.
>
> However, I purchased a 9+ condition manual from eBay
> and hope to have it
> ..PDFed in the next week or so depending on whether
> or not my scanner
> still
> works.
> -
>
==========
> http://jason.creager.com kc0erg@...
> Las
> Vegas, NV
>
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<http://us.ard.yahoo.com/SIG=1298q7fk3/M=298184.5022502.6152625.3001176/
>
D=groups/S=1705063108:HM/EXP=1087769348/A=2164339/R=0/SIG=11e2d64in/*htt
> p://www.netflix.com/Default?mqso=60183348> click
> here
>
>
<http://us.adserver.yahoo.com/l?M=298184.5022502.6152625.3001176/D=group
> s/S=:HM/A=2164339/rand=520708021>
>
>
> _____
>
> Yahoo! Groups Links
>
>
> * To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
>
> * To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscri
> be>
>
>
> * Your use of Yahoo! Groups is subject to the Yahoo!
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> Service <http://docs.yahoo.com/info/terms/> .
>
>
>
>
>
> [Non-text portions of this message have been
> removed]
>
>

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1913. Re: [TS-520_820_530_830] Tune ts-520 key down

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 22:33:02 UTC
From: james27613@att.net
Topic: 1913 Message: 1913

hi keith,

Yes, you need to close the key to transmit when not in
tune mode.

73 james ke4dɪn

Date: Sun, 20 Jun 2004 05:29:23 -0000
From: "Keith Hanks" <kwhanks@...>
Subject: Tuning a TS-520 SE and TS-520 S

...RF, CW PLATE to left end of solid white line under 14, LOAD at 10
o'clock, output 280 mA on scale and 100 W on MFJ 949E Tuner Scale
When I flip the standby switch to send nothing happens. I have to key
the CW key to get anything to move. Am I doing the right thing, or am
I killing something????.....

1914. Re: [TS-520_820_530_830] HF Meter 0 V

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 22:36:26 UTC
From: james27613@att.net
Topic: 1914 Message: 1914

Hi Hal,

Are you checking the HV level when in transmit mode or
in receive ? Need to be in transmit mode.

Dirty switch or bad lead/solder connection on hv board.

Do use caution inside the radio.

73 james ke4drn

Sent: Saturday, June 19, 2004 9:53 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] no HV meter Reading

Ok, I just got my 520 out so I could play with it since I just
upgraded to Extra. So, I tune it up and it does tune up normal and
it shows about 120 watts out and all the other meter readings work
but when I turn the meter to HV it goes to 0. and to be honest I
don't remember if it ever did show anything.. I haven't used this
520 in a few years. The SG switch is on and the tubes are glowing.
Any ideas?

AC0AX
(ex-KC0BDW)
Hal

1915. TS830s+VFO230 Clean 4sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-21 02:32:24 UTC
From: nospamvictim
Topic: 1853 Message: 1915

Sorry to see the end of an era here. Getting ready to move. Both
are very clean and as new in operation. No smoker. VBT and Passband
controls new. $500 for the pair you ship. To be packed with care.

Jim, ac6tk

1916. TS530S AGC SWITCH

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-20 19:43:26 UTC
From: martin
Topic: 1916 Message: 1916

Help could some one tell me if the agc switch for the ts530s is the same as the switch in the ts830s cheers martin

1917. Re: [TS-520_820_530_830] re: tune ts520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-21 13:56:43 UTC
From: james27613@att.net
Topic: 1917 Message: 1917

hi jason,

For anyone reading this here is the link to kg6haf site

http://www.kg6haf.com/kenwood.html

If RF gain in ccw full then yes, meter will move up this is normal.

Please set AF gain to about 1-2 and rf gain full clockwise.
you will see the meter return to low end scale.

also remember that you need to be in transmit mode to get
hv adn rf meter readings.

The RF volt adjustment is only for meter calibration,
will not adjust the rf voltage circuits.

Try to follow the instructions on kg6haf site first,
it is very good info.

Remember, in ssb your wattmeter will not give true reading of
your output power unless it is peak reading meter.

Now, if you are in cw mode then the wattmeter will give correct
readings.

Here is hint that I use, DRIVE PLATE LOAD that is it !

Also when you dip/peak use fine adjustments on the above controls,
otherwise you can go past the proper settings.

When you get it tuned in, make notes on the settings so you can
return to them the next time you use that band. A quick check is all
you need to do later.

For the cw key plug you need the standard 1/4" phono type.

hope this helps.

73 james ke4drn

> Date: Sun, 20 Jun 2004 02:44:16 -0700
> From: "Jason Creager"
> Subject: 520 Tuning Questions
>
> Hi there,
>
> A couple of questions. First, RF Gain down, Needle up? Is that what's
> supposed to happen?

>
> Following the tuning procedure in the manual:
>
> When I get to the Plate/Load tuning and flip to SEND, the needle pegs
> instantly. The RF Volt adjustment has no affect at all. It's hard to "peak"
> when it's already pegged!
>
> When I tried to transmit earlier today, I the Forward meter on the tuner
> registered about twenty watts. Could that be a SSB thing? When I'm
> connected to the dummy load, I get much, much higher readings for forward
> and reverse.
>
> I haven't yet tried to tune it following KG6HAF's webpage, so perhaps
> there's some step that I'm missing or incorrectly interpreting from the 520
> manual.
>
> Also, what kind of connector do I need for my key?
>
> Thanks,
> Jason

1918. Re: [TS-520_820_530_830] re: tune ts520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-21 15:15:08 UTC
From: Jason Creager
Topic: 1917 Message: 1918

On 6/21/04 at 1:56 PM james27613@... wrote:

>The RF volt adjustment is only for meter calibration,
>will not adjust the rf voltage circuits.

That's good to know that I can't burn out the tubes by misadjusting it,
then.

>Try to follow the instructions on kg6haf site first,
>it is very good info.

I did that afterwards. The meter still instantly pegs when getting to the
"twiddle the Plate/Load" controls.

>When you get it tuned in, make notes on the settings so you can
>return to them the next time you use that band. A quick check is all
>you need to do later.

That's great to read. It seems like I'm constantly adjusting the IP,
though. Is that normal?

-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1919. Still No ten meters on 830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-21 18:38:28 UTC
From: ka9vaa
Topic: 1919 Message: 1919

Ok, this is what I have done, tried t clean the band switch with deoxit, retuned all drive coils using the settings in the maintenance and alignment section of the manual. All the coils responded except for the 28 coil, nothing at all, I wonder if it isn't the switch or is there something else I should look for?

Thank you all for any suggestions.

Tom

1920. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 01:13:22 UTC
From: DW
Topic: 1778 Message: 1920

--- Bill K0ZL <coorsbill@...> wrote:
> Get the Heil HC-4 or HC-5 element and stick it in a
> mic of some type, maybe bought from hamfest or
> whatever. Then get you a lo to hi-z transformer and
> crank 'er up... probably do the whole thing for
> under
> $40.00.
>
> Also if you can find an Astatic mic with the 10DA
> head
> (the bullet, not the lollipop D-104), that will give
> you great SSB audio.
>
> Or find a "dead" D104, and put a Heil element in it.
> I
> did that for a local guy and he loves it.
>
> b

I was just checking into doing exactly that, eg:
dropping the HC-4 into a D(as in DEAD)-104. Heil no
longer sells the element seperately. I haven't asked
him why.

BTW, sorry to dupe if this info is already out. I'm
1.63 weeks behind on my e-mails, as usual.

DW

=====
DW White

KE6WYB, Shasta County, CA, CN80vq

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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http://promotions.yahoo.com/new_mail

1921. TS-820s with VFO-820 Relay Cahtter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 09:38:53 UTC
From: Greg
Topic: 1921 Message: 1921

73 all...
Been a while since I turned on the 820s. Noticed no digital display and suspected typical connection problem at VFO Plug/cable from rig to exterior VFO. (vfo-820)
At some pointed , when moving VFO to check cable, saw a spark when chasiss of VFO-820 touched RIg..(That CANT be good) Found broken lead in VFO plug , so suspect it shorted to another pin on the plug....

OK, NOW I find, with VFO-820 unpluged, rig ok. Pluging in VFO-820 (using now repaired cable) produces relay chatter of the RL relay on rigs relay board X43-1190-00. As most know, the plugs used for the VFO-820 dont always make good contact, and by accidnt, I found pulling plug slightly out,(discontectiing some of the pins) stops chatter, but also turns off dial light in the VFO-820.(yet vfo-820 sems to still work in changing freq dispaly)

Pulling the relay on the rigs relay board also stops chatter (obviously), and VFO-820 seems to still work ok, but no dial light.

Heres more info: with relay unplugged, only getting abt 2-3 volts at coil socket when tested. With relay and VFO-820 plugged in and rig in transmit mode,(finals off or on), dial lights in VFO-820 brighten as if over powered, and relay chatter stops.

I suspected it may be zener diode on the relay board, as with board pluged in, it seemed to read voltage drop in both directions... BUT by unplugging relay board completely, zener now seems to test ok, again by simply using diode setting on a DMM. (I realize this isnt the best way to test a zener)

Something is obviously "open" somewhere causing this strange relay/ over and under voltage problem. Also I have noticed the relay in the VFO-820 doenst seem to activate as I recall it use to when turning it on.

Hope this far-out discription can help someone set me in the right direction. I am not a tech, so excuse my thinking so far.

TNX for any suggestions on where to start looking....and watch-out for those flaky VFO plug connections!

Greg
VA3VFO

1922. Re: [TS-520_820_530_830] agc switch ts530/830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 11:49:35 UTC
From: james27613@att.net
Topic: 1922 Message: 1922

hi martin,

Yes, the part is same for both radio 530/830.

73 james ke4drn

1923. For Sale: Heil C-C-!-K4

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 13:24:03 UTC
From: kzerokav
Topic: 1923 Message: 1923

C-C-1-K4 Heil 4 pin mic adaptor for older Kenwood 4 pin radios. $22 shipped.

In factory package as new.

Van,
K0KAV

Please reply direct:

k0kav(at)arrl.net
kavan(at)neb.rr.com

1924. Re: HF Meter 0 V

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 22:52:15 UTC
From: Hal
Topic: 1914 Message: 1924

I've looked at it all.. It tunes up just fine. and it does transmit.
and everything looks good. so thats why its frustrating me so.

Hal

--- In TS-520_820_530_830@yahoogroups.com, james27613@a... wrote:
> Hi Hal,
>
> Are you checking the HV level when in transmit mode or
> in receive ? Need to be in transmit mode.
>
> Dirty switch or bad lead/solder connection on hv board.
>
> Do use caution inside the radio.
>
> 73 james ke4drn
>
> Sent: Saturday, June 19, 2004 9:53 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] no HV meter Reading
>
>
> Ok, I just got my 520 out so I could play with it since I just
> upgraded to Extra. So, I tune it up and it does tune up normal and
> it shows about 120 watts out and all the other meter readings work
> but when I turn the meter to HV it goes to 0. and to be honest I
> don't remember if it ever did show anything.. I haven't used this
> 520 in a few years. The SG switch is on and the tubes are glowing.
> Any ideas?
>
> AC0AX
> (ex-KC0BDW)
> Hal

1925. Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 00:11:56 UTC
From: Jason Creager
Topic: 1914 Message: 1925

Hi there,

I assume by the hot smell after I accidentally tuned my 520 into the G5RV instead of the dummy load and the no meter response even with the carrier all the way up that I've blown the tubes. *sigh* This right after I missed out on an Icom 718 for $275 on eBay by mere seconds last night.

Does anyone have a spare set? Do I need to get the driver tube, too? Recommendations? I'd *really* like to get this damned thing on the air!

Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1926. Re: [TS-520_820_530_830] Re: HF Meter 0 V

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 00:44:51 UTC
From: Peter A Markavage
Topic: 1914 Message: 1926

There is a board called the HV Unit (X43-1100-00). It's a small board. There is a voltage divider network on this board. There are three 680K resistors (R2, 3, and 4) connected in series to the 800 high voltage lead. On the other end of these three resistors is connected another resistor 100K (R1) and a .01 mfd capacitor (C1) and the meter lead for HV. The other end of the 100K resistor and .01 mfd capacitor are connected to ground. One of the 680K resistors could be open causing no trickle of voltage to get to the meter lead. If R1 was open you would most likely peg the meter. If R1 or C1 was shorted to ground, the meter most likely would not move.

Pete, wa2cwa

On Tue, 22 Jun 2004 22:52:15 -0000 "Hal" <kc0bdw@...> writes:
I've looked at it all.. It tunes up just fine. and it does transmit. and everything looks good. so thats why its frustrating me so.

Hal

--- In TS-520_820_530_830@yahoogroups.com, james27613@a... wrote:
> Hi Hal,
>
> Are you checking the HV level when in transmit mode or
> in receive ? Need to be in transmit mode.
>
> Dirty switch or bad lead/solder connection on hv board.
>
> Do use caution inside the radio.
>
> 73 james ke4drn
>
> Sent: Saturday, June 19, 2004 9:53 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] no HV meter Reading
>
>
> Ok, I just got my 520 out so I could play with it since I just
> upgraded to Extra. So, I tune it up and it does tune up normal and
> it shows about 120 watts out and all the other meter readings work
> but when I turn the meter to HV it goes to 0. and to be honest I
> don't remember if it ever did show anything.. I haven't used this
> 520 in a few years. The SG switch is on and the tubes are glowing.
> Any ideas?
>
> AC0AX
> (ex-KC0BDW)

> Hal

[Non-text portions of this message have been removed]

1927. Re: [TS-520_820_530_830] Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 00:33:02 UTC
From: Peter A Markavage
Topic: 1914 Message: 1927

The final tubes in this thing can take a lot of abuse. You could probably load the 520 into metal bed springs for a short period without the rig burping too badly. Is the HV switch on? Is the SG switch on? Are the tubes lit? Do they glow orange/red after a short period of key down? Why wouldn't you tune your 520 into the G5RV? Is there something wrong with it? Tubes generate a lot of heat and after 25 or 30 years things can "smell hot". Did you see smoke or blow a fuse? A tube tester also helps to determine if the tubes have failed.

Pete, wa2cwa

On Tue, 22 Jun 2004 17:11:56 -0700 "Jason Creager" <jason@...>
writes:
Hi there,

I assume by the hot smell after I accidentally tuned my 520 into the G5RV instead of the dummy load and the no meter response even with the carrier all the way up that I've blown the tubes. *sigh* This right after I missed
out on an Icom 718 for $275 on eBay by mere seconds last night.

Does anyone have a spare set? Do I need to get the driver tube, too? Recommendations? I'd *really* like to get this damned thing on the air!

Jason
-

[Non-text portions of this message have been removed]

1928. Re: [TS-520_820_530_830] Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 01:30:07 UTC
From: Paul Manuel
Topic: 1914 Message: 1928

--- Jason Creager <jason@...> wrote:
> I assume by the hot smell after I accidentally tuned my 520 into the
> G5RV
> instead of the dummy load and the no meter response even with the
> carrier
> all the way up that I've blown the tubes. *sigh* This right after I
> missed
> out on an Icom 718 for $275 on eBay by mere seconds last night.

Unless you tuned for a hugely long time at high power, you probably
damaged something other than the tubes, especially if you output is zero.
You'd better troubleshoot a little.
73,
Paul K4PDM

_____
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1929. Re: TS-820s with VFO-820 Relay Cahtter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 03:31:49 UTC
From: Greg
Topic: 1921 Message: 1929

For some reason my lengthy reply to my own e-mail did not appear on
the group....I dont feel like re-typing it so, in a nutshell...I
found the problem and it has been fixed...
TNX Greg

--- In TS-520_820_530_830@yahoogroups.com, "Greg" <va3vfo@r...> wrote:
> 73 all...
> Been a while since I turned on the 820s. Noticed no digital display
> and suspected typical connection problem at VFO Plug/cable from rig
> to exterior VFO. (vfo-820)
> At some pointed , when moving VFO to check cable, saw a spark when
> chasiss of VFO-820 touched RIg..(That CANT be good) Found broken
lead
> in VFO plug , so suspect it shorted to another pin on the plug....
>
> OK, NOW I find, with VFO-820 unpluged, rig ok. Pluging in VFO-820
> (using now repaired cable) produces relay chatter of the RL relay
on
> rigs relay board X43-1190-00. As most know, the plugs used for the
> VFO-820 dont always make good contact, and by accidnt, I found
> pulling plug slightly out,(discontectiing some of the pins) stops
> chatter, but also turns off dial light in the VFO-820.(yet vfo-820
> sems to still work in changing freq dispaly)
>
> Pulling the relay on the rigs relay board also stops chatter
> (obviously), and VFO-820 seems to still work ok, but no dial light.
>
> Heres more info: with relay unplugged, only getting abt 2-3 volts
at
> coil socket when tested. With relay and VFO-820 plugged in and rig
in
> transmit mode,(finals off or on), dial lights in VFO-820 brighten
as
> if over powered, and relay chatter stops.
>
> I suspected it may be zener diode on the relay board, as with board
> pluged in, it seemed to read voltage drop in both directions...
BUT
> by unplugging relay board completely, zener now seems to test ok,
> again by simply using diode setting on a DMM. (I realize this isnt
> the best way to test a zener)
>
> Something is obviously "open" somewhere causing this strange relay/
> over and under voltage problem. Also I have noticed the relay in
the

> VFO-820 doenst seem to activate as I recall it use to when turning
it
> on.
>
> Hope this far-out discription can help someone set me in the right
> direction. I am not a tech, so excuse my thinking so far.
>
> TNX for any suggestions on where to start looking....and watch-out
> for those flaky VFO plug connections!
>
> Greg
> VA3VFO

1930. Re: Tune up question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 04:13:39 UTC
From: Greg
Topic: 887 Message: 1930

Bill, Here's an update to an old problem I never got around to fixing until I had the rig open for another recent problem. (You may have read abt my VFO-820 problem...it was a broken trace on the bottom of the VFO-820 Board.. amazing story of how it was tracked down, which unfortunatly didnt get sent to the group, for some reason)

While I had the rig open, I checked out the resistors in the volatge didvider cct board as you suggested. As first I saw I was geting strange readings, probabbly due to the capactor in the cct. I pulled the 2- 56K resitions, as one was suspecious, although it wasnt not reading open or looking burnt.

Even with it out of the cct, one of those reistiors was giving a strange effect on my DMM...climbing in reistance then going back down...this is without anything else connected to it!
I replaced this "possessed" resistor and was VERY happy with the results......a full 10 watts of tune power now, where none (or VERY, Very, little) had existed, since I bought the unit 2 yrs ago....

TNX for setting me in the right direction.....I am really on a good run..just fixed my VFO-820, after it showing really strange problem.

Also repaired a tune-up impedence bridge/dummy load, I made some time ago , that wouldnt show a flat tune setting for my antenna tuner. (that problem, I found, was caused by a wire-wound resistor that was disguised as a carbon...lesson learned there! You can never tell the composition of a resitor)

Also, the coax shield inside, used for part of the bridge cct, was grounded to chassis and causing some capacitance to the cct, which was throwing off the readigs....Cutting shield form chasiss removed the small amnt of capacity...keep this in mind everyone, when building some antenna type ccts....

73 Greg
VA3VFO..... A happy self learner, with tnx to the group!

--- In TS-520_820_530_830@yahoogroups.com, Bill <coorsbill@y...> wrote:
> OK gotcha.
>
> All TUNE mode does is drop the screen voltage on the
> finals from around 270 volts or so down to about 170
> volts; this protects the plates from melting down if
> something goes wrong. I would look at the screen
> voltage and make sure the voltage divider on the RECT
> unit is OK.

>
> bill
>
> --- Greg <va3vfo@r...> wrote:
> > TNX agn for ur excelent and detailed explaination of
> > how the Ip info
> > is sent to the meter etc...I have a pretty good
> > handle on how the Pi
> > network works etc, but what is throwing off my
> > understanding is,
> > where is the difference between how the system works
> > when tuning up
> > in the "CW MODE", and tuning up in the "TUNE MODE" (
> > e.g. a simple
> > resistor to run less current to the cathode?)....I
> > do get good dip
> > and lots of RF and everthing is fine in the CW MODE,
> > but no dip or RF
> > in the TUNE MODE.
> > The problem isnt when trying to dip using the PLATE
> > Knob (or "Tune"
> > as it is sometimes called), it is when I use the
> > "TUNE" setting on
> > the MODE switch I am not getting enough RF to
> > generate a dip.
> >
> > Your last paragraph asking abt good dip etc, is
> > where the problem
> > is...(but only when the MODE switch is in TUNE
> > position)...when
> > in "TUNE" MODE, I get no meter movement or RF out
> > (or at least, very
> > little..see my previous posts).BUT, I DO get good
> > dip etc when tuning
> > up with the MODE switch in CW, rather than TUNE. SO
> > , I will look for
> > something wrong from the TUNE switch and onward to
> > the Cathode area
> > and t/r switch etc as you suggest. I will at lest
> > look for the
> > obvious burt resistor, esp in the Cathode line and
> > from the TUNE
> > postion of the MODE switch onward.
> >
> > And yes, the recv is working Great, regardless of
> > whcich MODE I am
> > in.(Including TUNE MODE)
> >
> > Thanks for all ur help everyone, esp to BILL...I am
> > glad to find out

> > that there is a problem and the TUNE MODE is not, in
> > fact working
> > correctly, contrary to what I was told.
> > 73
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> > <coorsbill@y...>
> > wrote:
> > > Ip is plate current. There is a cathode resistor
> > in
> > > the tube cathode lines, leading to ground. As
> > plate
> > > current increases, the voltage drop across the
> > > resistor(s) increase. This is what is sent to the
> > > meter as Ip.
> > >
> > > Ip should "dip" as you tune the plate turning
> > control
> > > through resonance. The amount of the dip depends
> > on
> > > the setting of the "load" control.
> > >
> > > The plate tuning and load controls are part of a
> > "pi"
> > > matching network between the antenna and the
> > tubes.
> > >
> > > Tubes like a high impedance; antennas are low
> > > impedance; so you have to provide a transforming
> > > action of sorts to get any power transfer.
> > >
> > > The "pi" network accomplishes this. As you tune
> > the
> > > "TUNE" control and find the resonance, you are
> > > locating the point that the tubes "like" to
> > operate
> > > into the pi network. As you rotate the LOAD
> > control,
> > > you affect how the pi network "sees" the antenna.
> > >
> > >
> > > At the point you achieve about a ten percent dip
> > in
> > > plate current, your match to the antenna thru the
> > LOAD
> > > control will be about right. The LOAD control
> > > controls how much "dip" you will get, when tuning
> > into
> > > an antenna or dummy load.

> > >
> > > Now... if you are seeing a good amount of plate
> > > current, and a good "dip", but no output or very
> > > little output, that tells me there is no good
> > > connection from the pi network to the antenna. We
> > > either have a burned or damaged component or a
> > broken
> > > connection, or a bad relay, or something.
> > >
> > > I assume the radio is receiving well, no?
> > >
> > > bill
> >
> >
> >
>
>
> =====
>
> see our website www.amateur-repairs.com
>
>
> _____
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> Protect your identity with Yahoo! Mail AddressGuard
> http://antispam.yahoo.com/whatsnewfree

1931. Re: [TS-520_820_530_830] Re: TS-820s with VFO-820 Relay Cahtter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 04:18:22 UTC
From: Bill K0ZL
Topic: 1921 Message: 1931

Checking a zener on the "diode" range of a DMM is
valid. Most zener failures are to a dead short; so a
good zener will test as a good diode.

I have never seen one fail as to shift the zener
breakdown voltage; so the DMM Diode test works well if
in-circuit voltage test is not practical.

Sorry about your post not making it; was not moderator
action I don't think.

Bill K0ZL

--- Greg <va3vfo@...> wrote:
> For some reason my lengthy reply to my own e-mail
> did not appear on
> the group....I dont feel like re-typing it so, in a
> nutshell...I
> found the problem and it has been fixed...
> TNX Greg
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Greg"
> <va3vfo@r...> wrote:
> > 73 all...
> > Been a while since I turned on the 820s. Noticed
> no digital display
> > and suspected typical connection problem at VFO
> Plug/cable from rig
> > to exterior VFO. (vfo-820)
> > At some pointed , when moving VFO to check cable,
> saw a spark when
> > chasiss of VFO-820 touched RIg..(That CANT be
> good) Found broken
> lead
> > in VFO plug , so suspect it shorted to another pin
> on the plug....
> >
> > OK, NOW I find, with VFO-820 unpluged, rig ok.
> Pluging in VFO-820
> > (using now repaired cable) produces relay chatter
> of the RL relay
> on
> > rigs relay board X43-1190-00. As most know, the
> plugs used for the
> > VFO-820 dont always make good contact, and by

> accidnt, I found
> > pulling plug slightly out,(discontectiing some of
> the pins) stops
> > chatter, but also turns off dial light in the
> VFO-820.(yet vfo-820
> > sems to still work in changing freq dispaly)
> >
> > Pulling the relay on the rigs relay board also
> stops chatter
> > (obviously), and VFO-820 seems to still work ok,
> but no dial light.
> >
> > Heres more info: with relay unplugged, only
> getting abt 2-3 volts
> at
> > coil socket when tested. With relay and VFO-820
> plugged in and rig
> in
> > transmit mode,(finals off or on), dial lights in
> VFO-820 brighten
> as
> > if over powered, and relay chatter stops.
> >
> > I suspected it may be zener diode on the relay
> board, as with board
> > pluged in, it seemed to read voltage drop in both
> directions...
> BUT
> > by unplugging relay board completely, zener now
> seems to test ok,
> > again by simply using diode setting on a DMM. (I
> realize this isnt
> > the best way to test a zener)
> >
> > Something is obviously "open" somewhere causing
> this strange relay/
> > over and under voltage problem. Also I have
> noticed the relay in
> the
> > VFO-820 doenst seem to activate as I recall it use
> to when turning
> it
> > on.
> >
> > Hope this far-out discription can help someone set
> me in the right
> > direction. I am not a tech, so excuse my thinking
> so far.
> >
> > TNX for any suggestions on where to start

> looking....and watch-out
> > for those flaky VFO plug connections!
> >
> > Greg
> > VA3VFO
>
>

=====

"If in doubt, MODIFY" --k0zl

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1932. Bleat on battery versus tone on mains

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 04:39:42 UTC
From: Jack Twilley
Topic: 1932 Message: 1932

I'm preparing my station for Field Day, and one of the things I've finally done is to purchase and install a PWRgate40 which acts as a DC UPS -- it switches from mains to battery when the mains fails. When I tune up on mains, I get a solid normal healthy tone and lots of power. When I tune up on battery, I get a bleat sound like an injured chicken and much less power. I measured voltage drop from battery to radio and it's less than a volt. The battery has been charging for a week, and it is brand new. What could be causing this problem?

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1933. Re: [TS-520_820_530_830] Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 06:48:10 UTC
From: Jason Creager
Topic: 1914 Message: 1933

On 6/22/04 at 8:33 PM Peter A Markavage wrote:

>The final tubes in this thing can take a lot of abuse. You could probably
>load the 520 into metal bed springs for a short period without the rig
>burping too badly. Is the HV switch on?

I kept the tuning periods as short as possible, probably less than ten
seconds a piece.

> Is the SG switch on?

Yes

>Are the tubes lit?

Well, they glow when the heater switch is on. One glows brighter than the
other, but neither are as bright as the driver tube. I take it that's a
good sign. Do I still need to have them checked?

>Do they glow orange/red after a short period of key down?

Unknown

>Why wouldn't you tune your 520 into the G5RV?

Because you're supposed to tune into a 50 ohm load not a badly mismatched
G5RV antenna. I can't remember what band it was tuned for, but it wasn't
the right one.

> Is there something wrong with it?

>Tubes generate a lot of heat and after 25 or 30 years things can
>"smell hot". Did you see smoke or blow a fuse?

I didn't see any smoke, but got a very strong smell that something just
went south.

>A tube tester also helps to determine if the tubes have failed.

Good luck finding one of those in Las Vegas.

On 6/22/04 at 6:30 PM Paul Manuel wrote:
>Unless you tuned for a hugely long time at high power, you probably
>damaged something other than the tubes, especially if you output is zero.
>You'd better troubleshoot a little.

I'm printing out the service manual right now. Considering my lack of test
equipment, knowledge of older electronics, and the list of things that
could be wrong, I think I just wasted a lot of money on my first HF rig.

-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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http://jason.creager.com/uros.html - The #1 Mali Uromastyx Info Source

1934. Non Transmitting 520 Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 07:57:39 UTC
From: Jason Creager
Topic: 1914 Message: 1934

Well, I just fiddled around with it. Here's a few more pieces to the puzzle.

There's no receive audio at all on any band.

Also, when I push the WWV button the needle moves all the way to the right as if the RF Gain was turned all the way down. The WWV button has always been "scratchy" sounding when pushed. The only thing that jumps out at me as being on both the Receiver and Transmitter troubleshooting guides is the relay in the final. I'll take it to work tomorrow and give it a once-over.

Could it possibly be that easy to fix? I can't imagine that it would be or that the relay could've generated the "hot" smell since it looks pristine.

On the upside, I discovered a Magicom speech processor board on the bottom when I opened it up.

Any thoughts are appreciated.

Jason
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1935. Re: TS-820s with VFO-820 Relay Cahtter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 11:06:51 UTC
From: Greg
Topic: 1921 Message: 1935

NOW YOU'LL KNOW "THE REST OF THE STORY!"

1 hour after my original post.

Well, to all those aspiring new Hams....it is possible to fix your own rig with a little logic, observation and patience....and having a boat anchor sure helps...

I opened up the VFO-820, and thinking a voltage spike may have taken out the one diode I saw, upon testing, found a crack in it. Did I do that when testing it? I'll never know. I replaced it with a general purpose diode, but still got the relay chatter, but now it came from the relay in the VF0-820....While poking around with test clips, to test the pre-installation of the replacement diode, I noticed some intermitant behaviour.

For a brief second, everything went "quiet" and worked fine....I decided to pull the small board for a look,(and to hard wire in the replacement diode)....Turning the board over, there it was....a break in the foil trace!...And it was a good sized one too! A good portion of its length was lifting off the board as well. Could this have been caused by the short I "saw"? Had this been a weak spot and the short to ground "finished it off"?

Maybe...but it also seems to coinside with the metal bracket that holds the cct board in place. I had bought the VFO-820 used and maybe someone had been over ambitious in tightening the screw that is on the cct board over the bracket, there by ripping or crushing the cct trace....or maybe they slid the board across the metal edge while working on it....At any rate, I repaired the broken trace and upon pluging everything in, saw dial lights at the correct brightness, heard no relay chatter and had happy tuning!!!

The End.
The names of the characters have been changed to protect the innocent)
P.S. Keep this metal bracket in mind when working on your VFO-820.

--- In TS-520_820_530_830@yahoogroups.com, "Greg" <va3vfo@r...> wrote:
> 73 all...
> Been a while since I turned on the 820s. Noticed no digital display
> and suspected typical connection problem at VFO Plug/cable from rig
> to exterior VFO. (vfo-820)
> At some pointed , when moving VFO to check cable, saw a spark when
> chasiss of VFO-820 touched RIg..(That CANT be good) Found broken
lead
> in VFO plug , so suspect it shorted to another pin on the plug....
>

> OK, NOW I find, with VFO-820 unpluged, rig ok. Pluging in VFO-820
> (using now repaired cable) produces relay chatter of the RL relay
on
> rigs relay board X43-1190-00. As most know, the plugs used for the
> VFO-820 dont always make good contact, and by accidnt, I found
> pulling plug slightly out,(discontectiing some of the pins) stops
> chatter, but also turns off dial light in the VFO-820.(yet vfo-820
> sems to still work in changing freq dispaly)
>
> Pulling the relay on the rigs relay board also stops chatter
> (obviously), and VFO-820 seems to still work ok, but no dial light.
>
> Heres more info: with relay unplugged, only getting abt 2-3 volts
at
> coil socket when tested. With relay and VFO-820 plugged in and rig
in
> transmit mode,(finals off or on), dial lights in VFO-820 brighten
as
> if over powered, and relay chatter stops.
>
> I suspected it may be zener diode on the relay board, as with board
> pluged in, it seemed to read voltage drop in both directions...
BUT
> by unplugging relay board completely, zener now seems to test ok,
> again by simply using diode setting on a DMM. (I realize this isnt
> the best way to test a zener)
>
> Something is obviously "open" somewhere causing this strange relay/
> over and under voltage problem. Also I have noticed the relay in
the
> VFO-820 doenst seem to activate as I recall it use to when turning
it
> on.
>
> Hope this far-out discription can help someone set me in the right
> direction. I am not a tech, so excuse my thinking so far.
>
> TNX for any suggestions on where to start looking....and watch-out
> for those flaky VFO plug connections!
>
> Greg
> VA3VFO

1936. Re: [TS-520_820_530_830] ip setting ts 520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-22 12:03:14 UTC
From: james27613@att.net
Topic: 1936 Message: 1936

hi jason,

You set the IP adjustment only once when you first get your radio
and should not have to adjust it unless something has been replaced or
causes the IP to go out of adjustment.

page 21 in the operatin manual has procedure to adjust the
IP to 60 ma. Then your all set.

Please check the table on top of page 21 to verify your switch
and knob settings are correct for transmit mode.

Are you using a good dummy load or are you using antenna directly
during your testing ?

Also, when in transmit mode CW you should see the IP reading
aroung 200-250 ma or so this is normal. 200 is fine, nobody
will notice the difference from 220-250 and it keeps the tubes happy.

Hope this helps you out.

73 james ke4drn

Date: Mon, 21 Jun 2004 08:15:08 -0700
> From: "Jason Creager" <jason@...>
> Subject: Re: re: tune ts520
>
> On 6/21/04 at 1:56 PM james27613@... wrote:
>
> >The RF volt adjustment is only for meter calibration,
> >will not adjust the rf voltage circuits.
>
> That's good to know that I can't burn out the tubes by misadjusting it,
> then.
>
> >Try to follow the instructions on kg6haf site first,
> >it is very good info.
>
> I did that afterwards. The meter still instantly pegs when getting to the
> "twiddle the Plate/Load" controls.
>
> >When you get it tuned in, make notes on the settings so you can
> >return to them the next time you use that band. A quick check is all
> >you need to do later.
>
> That's great to read. It seems like I'm constantly adjusting the IP,
> though. Is that normal?

>

1937. Re: [TS-520_820_530_830] Re: TS-820s with VFO-820 Relay Cahtter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 12:32:14 UTC
From: Bill K0ZL
Topic: 1921 Message: 1937

Congrats Greg, good show!

bill K0ZL

--- Greg <va3vfo@...> wrote:
> ...
> heard no relay chatter and had happy tuning!!!
>
> The End.
> The names of the characters have been changed to
> protect the innocent)
> P.S. Keep this metal bracket in mind when working on
> your VFO-820.

=====

"If in doubt, MODIFY" --k0zl

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1938. Re: [TS-520_820_530_830] Bleat on battery versus tone on mains

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 12:35:18 UTC
From: Bill K0ZL
Topic: 1932 Message: 1938

What model radio, Jack?

b

--- Jack Twilley <jmt@...> wrote:
> I'm preparing my station for Field Day, and one of
> the things I've
> finally done is to purchase and install a PWRgate40
> which acts as a DC
> UPS -- it switches from mains to battery when the
> mains fails. When I
> tune up on mains, I get a solid normal healthy tone
> and lots of
> power. When I tune up on battery, I get a bleat
> sound like an injured
> chicken and much less power. I measured voltage
> drop from battery to
> radio and it's less than a volt. The battery has
> been charging for a
> week, and it is brand new. What could be causing
> this problem?
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1939. Re: [TS-520_820_530_830] Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 12:44:01 UTC
From: Bill K0ZL
Topic: 1914 Message: 1939

Yeah, could be a waste. But consider what a "radio repair course 101 and 102" would cost at the local community college would cost. Including books. You got a bargain.

Now for step by step t'shooting; get the rig set up, covers off, in a place that it won't be in the way or disturbed in between fixit sessions. Then, go to the cupboard and get out a healthy dose of patience. Find any ARRL handbook from 1955 to 1969 and go through the vacuum tube chapter; learn what the cathode, grids, and plates or anodes look like, and how they make the tube work. Learn about screen voltage, grid bias, how indirectly heated cathodes work, and particularly how we use grid current to determine when a PA tube is being overdriven (this will relate to the ALC function in your rig and will have a bearing when you get some output and start tuning up). If you already know this stuff, great.

Make sure your DVM and soldering iron are working; now let's get to work.

First of all, and the other group members may differ with me; the best tube tester is the rig itself. In the rig, the tubes are in their normal environment.

Next thing to do (notice we have not fired up the rig yet, even!) is to do a good physical inspection. Not everything (there's a lot to look at), but just some critical components; the ones most likely to blow up. Then we will talk about why they have failed, if we find anything.

Look at all resistors in the bottom of the PA section, around the tube sockets. Also look at any power-supply looking thing. Tell us what you see.

Bill K0ZL
--- Jason Creager <jason@...> wrote:
> ...
>
> I'm printing out the service manual right now.
> Considering my lack of test
> equipment, knowledge of older electronics, and the
> list of things that

> could be wrong, I think I just wasted a lot of money
> on my first HF rig.

=====

"If in doubt, MODIFY" --k0zl

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1940. Re: [TS-520_820_530_830] Non Transmitting 520 Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 12:44:53 UTC
From: Bill K0ZL
Topic: 1914 Message: 1940

ooOOOOOOooo you have a modified rig... eeewwwwwwwww

hi hi

b

--- Jason Creager <jason@...> wrote:
> Well, I just fiddled around with it. Here's a few
> more pieces to the
> puzzle.
>
> There's no receive audio at all on any band.
>
> Also, when I push the WWV button the needle moves
> all the way to the right
> as if the RF Gain was turned all the way down. The
> WWV button has always
> been "scratchy" sounding when pushed. The only thing
> that jumps out at me
> as being on both the Receiver and Transmitter
> troubleshooting guides is the
> relay in the final. I'll take it to work tomorrow
> and give it a once-over.
>
> Could it possibly be that easy to fix? I can't
> imagine that it would be or
> that the relay could've generated the "hot" smell
> since it looks pristine.
>
>
> On the upside, I discovered a Magicom speech
> processor board on the bottom
> when I opened it up.
>
> Any thoughts are appreciated.
>
> Jason
> -
>
==========
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> Vegas, NV
>
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>

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"If in doubt, MODIFY" --k0zl

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1941. Re: [TS-520_820_530_830] Bleat on battery versus tone on mains

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 14:17:24 UTC
From: Jack Twilley
Topic: 1932 Message: 1941

It's always the little things I forget. :-) The radio is a TS-520.

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1942. Re: Anyone have a spare tube set?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 15:31:27 UTC
From: Greg
Topic: 1914 Message: 1942

Jason.....dont think like that! I have no formal electronics educaton
and have learned by the seat of my pants....Ive fixed some rig
problems that I was at first sure would require a tech...BUT use your
logic, and keen observation. I find most problems have a "mechanical
or connection " cause. (includes when they are shorted or blown open)

Use the "What has changed or, what did I, or the rig, do diffrerntly
since the problem started" way of thinking. The 820 et el line of
rigs is great to work on, for the beginner.

I have no test equip other than a DMM, and have used it to find many
problems. Also, don't always believe what you see...exapmle is:
although a resister may "appear" not to be burnt, it can indeed be
defective....etc...

Good luck, I know you can do it, but confinence is a must....
Ofcorse, there are problems beyond me, esp around IC's and
transitors , but with help from groups, I even have repaired an FT102
with defective transistors, agn without any fancy test equip...just
subsituting the suspect part and "bingo"....it will be a "rush" that
will keep you wanting to repair any problem you may encounter!

Good Luck
Greg

--- In TS-520_820_530_830@yahoogroups.com, "Jason Creager"
<jason@c...> wrote:
> On 6/22/04 at 8:33 PM Peter A Markavage wrote:
>
> >The final tubes in this thing can take a lot of abuse. You could
probably
> >load the 520 into metal bed springs for a short period without the
rig
> >burping too badly. Is the HV switch on?
>
> I kept the tuning periods as short as possible, probably less than
ten
> seconds a piece.
>
> > Is the SG switch on?
>
> Yes
>
> >Are the tubes lit?
>
> Well, they glow when the heater switch is on. One glows brighter

than the
> other, but neither are as bright as the driver tube. I take it
that's a
> good sign. Do I still need to have them checked?
>
> >Do they glow orange/red after a short period of key down?
>
> Unknown
>
> >Why wouldn't you tune your 520 into the G5RV?
>
> Because you're supposed to tune into a 50 ohm load not a badly
mismatched
> G5RV antenna. I can't remember what band it was tuned for, but it
wasn't
> the right one.
>
> > Is there something wrong with it?
>
> >Tubes generate a lot of heat and after 25 or 30 years things can
> >"smell hot". Did you see smoke or blow a fuse?
>
> I didn't see any smoke, but got a very strong smell that something
just
> went south.
>
> >A tube tester also helps to determine if the tubes have failed.
>
> Good luck finding one of those in Las Vegas.
>
>
> On 6/22/04 at 6:30 PM Paul Manuel wrote:
> >Unless you tuned for a hugely long time at high power, you probably
> >damaged something other than the tubes, especially if you output
is zero.
> >You'd better troubleshoot a little.
>
> I'm printing out the service manual right now. Considering my lack
of test
> equipment, knowledge of older electronics, and the list of things
that
> could be wrong, I think I just wasted a lot of money on my first HF
rig.
> -
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1943. Re: [TS-520_820_530_830] Bleat on battery versus tone on mains

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 16:14:32 UTC
From: Bill K0ZL
Topic: 1932 Message: 1943

I would make sure all of my DC connections are the
lowest resistance possible. Starting that
multivibrator takes a pretty good current spike...

Do you have the negative lead fused? If so, remove it.

b

--- Jack Twilley <jmt@...> wrote:
> It's always the little things I forget. :-) The
> radio is a TS-520.
>
> Jack.
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1944. Re: [TS-520_820_530_830] Bleat on battery versus tone on mains

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 16:55:47 UTC
From: Jack Twilley
Topic: 1932 Message: 1944

>>>>> "K0ZL" == coorsbill <Bill> writes:

K0ZL> I would make sure all of my DC connections are the lowest
K0ZL> resistance possible. Starting that multivibrator takes a pretty
K0ZL> good current spike...

I haven't yet checked resistance, but I did check voltage drop, and it
wasn't measurable with my equipment.

K0ZL> Do you have the negative lead fused? If so, remove it.

Here's what I've got:

Battery Poles -> 4' 10ga (positive fuse) -> RIGRunner w/circuit
breaker -> 6' 10ga -> PWRgate40 -> 4' 10ga -> RIGRunner w/circuit
breaker -> 4' 12ga -> rig

I can try taking the RIGRunners out of the circuit for testing
purposes when I get home. That'll also remove a couple of lengths of
10ga if that matters.

K0ZL> b

Jack.
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1945. Re: [TS-520] re: ts520 problems jason

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 21:54:53 UTC
From: james27613@att.net
Topic: 1945 Message: 1945

[Body unavailable in the source archive]

1946. Re: [TS-520_820_530_830] re: spare tube set

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 22:04:05 UTC
From: james27613@att.net
Topic: 1946 Message: 1946

hi jason,

Don't painc, take things slow and you can get the
radio running again with help from the group !

You don't have to be an expert to make the basic
repairs to the radio. Some tasks like alignment requuire
special test equipment but you can troubleshoot the radio
with your basic meter.

Keep in mind if the radio was in storage for a long time
the failure could have happened if anyone started to use
the radio !

Take your time and with power off and look inside for
any signs of damaged parts. Use a magnifier if needed.

Also use your nose to sniff out anything that could be
burned up.

Watch out for high voltage inside the radio.

Is the cooling fan running ?
a few drops of oil in the bearings is ok to do.

Is inside clean or lots of dust ?

Post back what you find.

Should you need tubes, http://www.surplussales.com

73 james ke4drn

1947. Transverter Connections for TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-23 22:54:24 UTC
From: Brent Baum
Topic: 1947 Message: 1947

Just an update to the group on how the project is progressing.

Inspection of the inside of the radio revealed that all the circuit board connections continue to exist with the SE model, Kenwood elected not to bring them outside the box, and never connected anything at these points.

To continue I need help with the following:

1. How do I determine which is pin 1, pin 2, etc. on the TR relay? I'm not familiar enough with the component to tell.

2. I understand the schematic, but because I'm a little out of practice, I need a drawing or description of where the wiring from the TR relay and the Xverter switch physically connects within the radio; that is where are the connections made inside the 520S? This is important because the relay and switch interrupt some pretty important circuits.

3. I'm having trouble locating duplicates for the odd ball 12 pin connector block and cable plugs that Kenwood used for the xverter control connections. I suppose I could go to a modern computer type DIN or molex connector but that would detract from the vintage flavor of the radio.

Thanks group for all the help.

73 de K7MEI

1948. MH4P Relay Pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 02:34:36 UTC
From: Jason Creager
Topic: 1948 Message: 1948

OK, so the relay under the finals is a Four Pole, Double Throw relay. The coil is good.

Does anyone have the pinouts for it? I'm figuring through it by looking (and guessing at the "lever" for the switches), but I'd like to double check my results. I'll post them when I'm done.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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http://jason.creager.com/uros.html - The #1 Mali Uromastyx Info Source

1949. Re: [TS-520_820_530_830] MH4P Relay Pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 03:53:27 UTC
From: Jason Creager
Topic: 1948 Message: 1949

Here's what I came up with:

16 9 10
14 15 8
13 6 7
11 12 5

Coil 1 4

The center pins are the commons.

The switches are grouped just like the outside rows of pins.

9 is common to 16 & 14 (NC)
15 is common to 10 & 8 (NC)
6 is common to 13 & 11 (NC)
12 is common to 7 & 5 (NC)

I think this is a 12V coil. Is this correct? Does AC or DC matter? I'd like
to check and make sure the NO contacts.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1950. Re: MH4P Relay Pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 15:26:00 UTC
From: pchapman9202003
Topic: 1948 Message: 1950

does it have Omron mh4p has 1247d3 on top and Omron 385 ohm on
coil?

--- In TS-520_820_530_830@yahoogroups.com, "Jason Creager"
<jason@c...> wrote:
> Here's what I came up with:
>
> 16 9 10
> 14 15 8
> 13 6 7
> 11 12 5
>
> Coil 1 4
>
> The center pins are the commons.
>
> The switches are grouped just like the outside rows of pins.
>
> 9 is common to 16 & 14 (NC)
> 15 is common to 10 & 8 (NC)
> 6 is common to 13 & 11 (NC)
> 12 is common to 7 & 5 (NC)
>
> I think this is a 12V coil. Is this correct? Does AC or DC matter?
I'd like
> to check and make sure the NO contacts.
> -
> ==
> http://jason.creager.com kc0erg@q... Las
Vegas, NV
>
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Source

1951. Re: [TS-520_820_530_830] Re: MH4P Relay Pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 15:34:23 UTC
From: Jason Creager
Topic: 1948 Message: 1951

On 6/24/04 at 3:26 PM pchapman9202003 wrote:

>does it have Omron mh4p has 1247d3 on top and Omron 385 ohm on
>coil?

I'm not sure about the top, but mine is a 300 ohm coil.
-
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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1952. Re: MH4P Relay Pinout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 21:02:59 UTC
From: pchapman9202003
Topic: 1948 Message: 1952

its 12vdc

--- In TS-520_820_530_830@yahoogroups.com, "Jason Creager"
<jason@c...> wrote:
> Here's what I came up with:
>
> 16 9 10
> 14 15 8
> 13 6 7
> 11 12 5
>
> Coil 1 4
>
> The center pins are the commons.
>
> The switches are grouped just like the outside rows of pins.
>
> 9 is common to 16 & 14 (NC)
> 15 is common to 10 & 8 (NC)
> 6 is common to 13 & 11 (NC)
> 12 is common to 7 & 5 (NC)
>
> I think this is a 12V coil. Is this correct? Does AC or DC matter?
I'd like
> to check and make sure the NO contacts.
> -
> ==========
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Source

1953. Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-24 20:08:16 UTC
From: kenwould520
Topic: 1953 Message: 1953

O.K. Guys...Back to basics then on an atenna. Hypothetically I have thrown up a vertical rod of some 8 meters in lenght. Well insulated and with a good earth nearby. Given that this earth is sufficient enough to act as a "Ground Plane" and that the insulation on my "pole" is more than adaquate. How do I measure the impedance of such an aerial.
I would use a short length of 50 ohm coax to a transmitter eventually, but at this initial stage need to know what the impedance is. What sort of meter do I use?

1954. Re: Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 11:52:17 UTC
From: Jim
Topic: 1953 Message: 1954

There are special meters designed just to analyze this. Remember
that there are two components to impedance - resistance and
reactance. MFJ makes a complete line of antenna analyzers, but the
nicer ones tend to be kind of expensive ($300+). You might stop by
Field Day this weekend and help the local club set-up. Chances are
you will find somebody with an antenna analyzer and they might be
kind enough to give you a hand with it, not to mention some personal
lessons on the fine art of antenna voodoo.

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "kenwould520"
<draughting@d...> wrote:
> O.K. Guys...Back to basics then on an atenna. Hypothetically I
have
> thrown up a vertical rod of some 8 meters in lenght. Well
insulated
> and with a good earth nearby. Given that this earth is sufficient
> enough to act as a "Ground Plane" and that the insulation on
my "pole"
> is more than adaquate. How do I measure the impedance of such an
> aerial.
> I would use a short length of 50 ohm coax to a transmitter
eventually,
> but at this initial stage need to know what the impedance is. What
> sort of meter do I use?

1955. Re: [TS-520_820_530_830] Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 12:52:20 UTC
From: Bill K0ZL
Topic: 1953 Message: 1955

You don't need any test gear. The impedance of a
vertical against a perfect ground plane is 36 ohms,
half that of a dipole in free space.

That's only at resonance, and I think at odd
harmonics, no?

If not at resonance, get that MFJ antenna analyser...
the one that draws the graph for you, I think it's
about $260.00 and good investment for anyone playing
with antennas. Gee, that would be all 1710 of us here,
wouldn't it?

We in de wrong business, boss.

bill

--- kenwould520 <draughting@...> wrote:
> O.K. Guys...Back to basics then on an atenna.
> Hypothetically I have
> thrown up a vertical rod of some 8 meters in lenght.
> Well insulated
> and with a good earth nearby. Given that this earth
> is sufficient
> enough to act as a "Ground Plane" and that the
> insulation on my "pole"
> is more than adaquate. How do I measure the
> impedance of such an
> aerial.
> I would use a short length of 50 ohm coax to a
> transmitter eventually,
> but at this initial stage need to know what the
> impedance is. What
> sort of meter do I use?
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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1956. RE: [TS-520_820_530_830] Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 02:47:31 UTC
From: Bill
Topic: 1953 Message: 1956

All verticals (1/4 wave) are as Bill states 36 ohms. Verticals are also known as Mono-poles.
Since it is only 1 element vs a Di-pole (2 elements), it is half the feedpoint resistance. A Di-pole
is typically 72 ohms.

Therefore, with an 8 meter height or 26.2 feet in length, your vertical should be resonant at about
468/18=26 feet or about 18 mhz for a 1/4 wave vertical, provided you have a good ground radial
system. I would seriously recommend the MFJ antenna analyzer also.

K2WH (Bill)

-----Original Message-----
From: kenwould520 [mailto:draughting@...]
Sent: Friday, June 25, 2004 2:08 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Back to basics

O.K. Guys...Back to basics then on an atenna. Hypothetically I have thrown up a vertical rod of some 8 meters in lenght. Well insulated and with a good earth nearby. Given that this earth is sufficient enough to act as a "Ground Plane" and that the insulation on my "pole" is more than adaquate. How do I measure the impedance of such an aerial.
I would use a short length of 50 ohm coax to a transmitter eventually, but at this initial stage need to know what the impedance is. What sort of meter do I use?

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1957. Kenwood Converter Cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 14:43:16 UTC
From: Railey W Macey III
Topic: 1957 Message: 1957

I'm a newbie looking for:
1. TV-502 control cable to TS-502;
2. TV-506 control cable to TS-502;
3. Same cables to a TS-830S.
Please advise if you have, or know of source & costs for these
cables and/or the 12 pin connectors (Kenwood part #E09-1204-05?).

Many Thanks & 73,
KG4YUP/Railey

1958. RE: [TS-520_820_530_830] Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 04:16:42 UTC
From: Bill
Topic: 1953 Message: 1958

What I meant to say..... (Ignore the previous math),

All verticals (1/4 wave) are as Bill states 36 ohms. Verticals are also known as Mono-poles. Since it is only 1 element vs a Di-pole (2 elements),
it is half the feedpoint resistance. A Di-pole is typically 72 ohms.

Therefore, with an 8 meter height or 26.2 feet in length, your vertical should be resonant at about 234/9 = 26 feet or about 9 mhz for a 1/4 wave vertical, provided you have a good ground radial system. I would seriously recommend the MFJ antenna analyzer also.

K2WH (Bill)

-----Original Message-----
From: Bill [mailto:k2wh@...]
Sent: Friday, June 25, 2004 8:48 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Back to basics

All verticals (1/4 wave) are as Bill states 36 ohms. Verticals are also known as Mono-poles.
Since it is only 1 element vs a Di-pole (2 elements), it is half the feedpoint resistance. A Di-pole
is typically 72 ohms.

Therefore, with an 8 meter height or 26.2 feet in length, your vertical should be resonant at about
468/18=26 feet or about 18 mhz for a 1/4 wave vertical, provided you have a good ground radial
system. I would seriously recommend the MFJ antenna analyzer also.

K2WH (Bill)

-----Original Message-----
From: kenwould520 [mailto:draughting@...]
Sent: Friday, June 25, 2004 2:08 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Back to basics

O.K. Guys...Back to basics then on an atenna. Hypothetically I have thrown up a vertical rod of some 8 meters in lenght. Well insulated and with a good earth nearby. Given that this earth is sufficient enough to act as a "Ground Plane" and that the insulation on my "pole" is more than adaquate. How do I measure the impedance of such an aerial.
I would use a short length of 50 ohm coax to a transmitter eventually,

but at this initial stage need to know what the impedance is. What sort of meter do I use?

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1959. RE: [TS-520_820_530_830] Back to basics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 04:27:50 UTC
From: Bill
Topic: 1953 Message: 1959

And also.....

I forgot to mention, you can feed this antenna directly with coax. The SWR will be about 1.5:1 very good.

Again this is at 9mhz or somewhere around there. Use the formula 234 / (Frequency in MHZ) to obtain
your likely resonant frequency. BTW, a meter is 39.37 inches in length. Divide that by 12 and get your
length in feet. In addition, insulation of the wire really doesn't mean anything unless you are running very
high power and are afraid of setting something on fire. Insulation on the wire also affects the resonant
frequency of the antenna.

K2WH (Bill)

-----Original Message-----
From: Bill [mailto:k2wh@...]
Sent: Friday, June 25, 2004 10:17 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Back to basics

What I meant to say..... (Ignore the previous math),

All verticals (1/4 wave) are as Bill states 36 ohms. Verticals are also known as Mono-poles. Since it is only 1 element vs a Di-pole (2 elements),
it is half the feedpoint resistance. A Di-pole is typically 72 ohms.

Therefore, with an 8 meter height or 26.2 feet in length, your vertical should be resonant at about 234/9 = 26 feet or about 9 mhz for a 1/4 wave vertical, provided you have a good ground radial system. I would seriously recommend the MFJ antenna analyzer also.

K2WH (Bill)

-----Original Message-----
From: Bill [mailto:k2wh@...]
Sent: Friday, June 25, 2004 8:48 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Back to basics

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Therefore, with an 8 meter height or 26.2 feet in length, your vertical should be resonant at about
468/18=26 feet or about 18 mhz for a 1/4 wave vertical, provided you have a good ground radial
system. I would seriously recommend the MFJ antenna analyzer also.

K2WH (Bill)

-----Original Message-----
From: kenwould520 [mailto:draughting@...]
Sent: Friday, June 25, 2004 2:08 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Back to basics

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I would use a short length of 50 ohm coax to a transmitter eventually, but at this initial stage need to know what the impedance is. What sort of meter do I use?

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1960. Re: [TS-520_820_530_830] Kenwood Converter Cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-25 19:54:17 UTC
From: Dale Cole
Topic: 1957 Message: 1960

Some of these cables are hard to come by.....check Burghart
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 06/25/04 11:12:11
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Kenwood Converter Cables

I'm a newbie looking for:
1. TV-502 control cable to TS-502;
2. TV-506 control cable to TS-502;
3. Same cables to a TS-830S.
Please advise if you have, or know of source & costs for these
cables and/or the 12 pin connectors (Kenwood part #E09-1204-05?).

Many Thanks & 73,
KG4YUP/Railey

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1961. Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 00:43:22 UTC
From: Jack Twilley
Topic: 1961 Message: 1961

I now get the bleat sound when keying up on mains power, and my MFJ's
power meter reads 50 instead of the 100 it normally reads.

This sounds to me like one of the firebottles has failed. Does that
sound right to you guys?

Jack.
(figures it'd happen the night before Field Day.)
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1962. Re: Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 04:28:51 UTC
From: pchapman9202003
Topic: 1961 Message: 1962

Use the mfj tuner as a guide, dummy load first, low, low, power, correlate with the rig if has a swr meter, if not, uh oh! Which rig is it? this sounds a bit strange? If you are using an mfj tuner, do the silly stuff before panic. set your transmitter and antenna controls on the mfj to five and then flip through the inductor setting for best receive. Your antenna may have dropped altitude a bit or something, requiring you to move the inductor one setting.

You did not say which mfj tuner you have so I am probably making too many assumptions that you may have one of their """""""better""""""" models, at least in price. I am comping to a 949. I use their stuff, I just know not to trust it!

--- In TS-520_820_530_830@yahoogroups.com, Jack Twilley <jmt@t...> wrote:
> I now get the bleat sound when keying up on mains power, and my MFJ's
> power meter reads 50 instead of the 100 it normally reads.
>
> This sounds to me like one of the firebottles has failed. Does that
> sound right to you guys?
>
> Jack.
> (figures it'd happen the night before Field Day.)
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash tilde jmt slash

1963. Re: [TS-520_820_530_830] Re: Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 04:51:53 UTC
From: Jack Twilley
Topic: 1961 Message: 1963

>>>>> "PChapman" == p chap <pchapman9202003> writes:

PChapman> Use the mfj tuner as a guide, dummy load first, low, low,
PChapman> power, correlate with the rig if has a swr meter, if not, uh
PChapman> oh! Which rig is it? this sounds a bit strange? If you are
PChapman> using an mfj tuner, do the silly stuff before panic. set
PChapman> your transmitter and antenna controls on the mfj to five and
PChapman> then flip through the inductor setting for best
PChapman> receive. Your antenna may have dropped altitude a bit or
PChapman> something, requiring you to move the inductor one setting.

It's a TS-520 -- I recently posted about the bleating being a new occurrence. I'm wondering if one of the tubes has lost its fire, and if so, whether it's safe to run the rig in a quasi-novice configuration for Field Day this weekend. I'm using the Versa Tuner II, and I've set the MFJ as per the directions (which is basically what you've listed above). The antenna was tightened, which caused the center of the antenna to drop a little, but I'm getting half the power I'm used to getting out of this widget.

PChapman> You did not say which mfj tuner you have so I am probably
PChapman> making too many assumptions that you may have one of their
PChapman> """""""better""""""" models, at least in price. I am comping
PChapman> to a 949. I use their stuff, I just know not to trust it!

I don't trust any of the knobs, dials, or lights on my rig lately. I hope I'm on frequency, and I don't transmit too close to the edges just in case I'm off.

Jack.
(one of these days I'll fix it or replace it, sigh.)
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1964. Re: [TS-520_820_530_830] MFJ 259

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 14:01:07 UTC
From: james27613@att.net
Topic: 1964 Message: 1964

hi,

WB0W has the MFJ analyzer 259B on his special price $ 207.95

http://www.wb0w.com/

When you phone in the order just tell him you found the
speical on his site.

I have purchased my mfj from him, he is good to deal with.

73 and good FD

james ke4drn

1965. Re: [TS-520_820_530_830] Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 15:45:22 UTC
From: Bill K0ZL
Topic: 1961 Message: 1965

How is it on 120vac?

b

--- Jack Twilley <jmt@...> wrote:
> I now get the bleat sound when keying up on mains
> power, and my MFJ's
> power meter reads 50 instead of the 100 it normally
> reads.
>
> This sounds to me like one of the firebottles has
> failed. Does that
> sound right to you guys?
>
> Jack.
> (figures it'd happen the night before Field Day.)
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1966. Re: [TS-520_820_530_830] Re: Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 15:50:04 UTC
From: Bill K0ZL
Topic: 1961 Message: 1966

You can run with one tube, just determine which one is
bad and disconnect the anode connector.

You will be 1/2 "s" unit weaker... darn!

b

--- Jack Twilley <jmt@...> wrote:
> >>>>> "PChapman" == p chap <pchapman9202003> writes:
>
> PChapman> Use the mfj tuner as a guide, dummy load
> first, low, low,
> PChapman> power, correlate with the rig if has a swr
> meter, if not, uh
> PChapman> oh! Which rig is it? this sounds a bit
> strange? If you are
> PChapman> using an mfj tuner, do the silly stuff
> before panic. set
> PChapman> your transmitter and antenna controls on
> the mfj to five and
> PChapman> then flip through the inductor setting for
> best
> PChapman> receive. Your antenna may have dropped
> altitude a bit or
> PChapman> something, requiring you to move the
> inductor one setting.
>
> It's a TS-520 -- I recently posted about the
> bleating being a new
> occurrence. I'm wondering if one of the tubes has
> lost its fire, and
> if so, whether it's safe to run the rig in a
> quasi-novice
> configuration for Field Day this weekend. I'm using
> the Versa Tuner
> II, and I've set the MFJ as per the directions
> (which is basically
> what you've listed above). The antenna was
> tightened, which caused
> the center of the antenna to drop a little, but I'm
> getting half the
> power I'm used to getting out of this widget.
>
> PChapman> You did not say which mfj tuner you have
> so I am probably
> PChapman> making too many assumptions that you may

> have one of their
> PChapman> """""""better""""""" models, at least in
> price. I am comping
> PChapman> to a 949. I use their stuff, I just know
> not to trust it!
>
> I don't trust any of the knobs, dials, or lights on
> my rig lately. I
> hope I'm on frequency, and I don't transmit too
> close to the edges
> just in case I'm off.
>
> Jack.
> (one of these days I'll fix it or replace it, sigh.)
> --
> Jack Twilley
> jmt at twilley dot org
> http colon slash slash www dot twilley dot org slash
> tilde jmt slash
>

=====

"If in doubt, MODIFY" --k0zl

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1967. Re: [TS-520_820_530_830] Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 16:10:42 UTC
From: Jack Twilley
Topic: 1961 Message: 1967

>>>>> "Bill" == coorsbill <Bill> writes:

Bill> How is it on 120vac? b

That was the magic question. On 120VAC, I get full power and
everything works properly. What is the deal? Sigh. Sometimes these
radios make me really frustrated.

Jack.
(probably operating on 12VDC anyway)
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

1968. Re: [TS-520_820_530_830] MFJ 259

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 17:06:14 UTC
From: Bill K0ZL
Topic: 1964 Message: 1968

thanks!

--- james27613@... wrote:
> hi,
>
> WB0W has the MFJ analyzer 259B on his special price
> $ 207.95
>
> http://www.wb0w.com/
>
> When you phone in the order just tell him you found
> the
> speical on his site.
>
> I have purchased my mfj from him, he is good to deal
> with.
>
> 73 and good FD
>
> james ke4drn
>

=====

"If in doubt, MODIFY" --k0zl

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1969. Re: [TS-520_820_530_830] Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 17:13:00 UTC
From: Bill K0ZL
Topic: 1961 Message: 1969

I bet the capacitors in the DC multivibrator circuit
are going bad... look for the mylar or polyester ones
that look like feedback caps in the circuit... should
be two of same value... change them both.
b

--- Jack Twilley <jmt@...> wrote:
> >>>>> "Bill" == coorsbill <Bill> writes:
>
> Bill> How is it on 120vac? b
>
> That was the magic question. On 120VAC, I get full
> power and
> everything works properly. What is the deal? Sigh.
> Sometimes these
> radios make me really frustrated.
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> Jack.
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>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - 50x more storage than other providers!
http://promotions.yahoo.com/new_mail

1970. Re: [TS-520_820_530_830] Just my luck

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 17:18:38 UTC
From: Peter A Markavage
Topic: 1961 Message: 1970

So, if it runs fine on AC, then, most likely, there's a problem in the DC
to DC converter. Sounds like your tubes are OK.

Pete, wa2cwa

On Sat, 26 Jun 2004 09:10:42 -0700 Jack Twilley <jmt@...> writes:
>>>>> "Bill" == coorsbill <Bill> writes:

Bill> How is it on 120vac? b

That was the magic question. On 120VAC, I get full power and
everything works properly. What is the deal? Sigh. Sometimes these
radios make me really frustrated.

Jack.
(probably operating on 12VDC anyway)
--
Jack Twilley
jmt at twilley dot org
http colon slash slash www dot twilley dot org slash tilde jmt slash

[Non-text portions of this message have been removed]

1971. TS-820 Help on TX/RX Response time

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 18:42:46 UTC
From: Donald Bryant
Topic: 1971 Message: 1971

Hello to all!

My TS-820 randomly takes about a second or somtimes two to go from TX to RX. The transmit drops but the receiver is still muted. Its not the vox or delay circuit and it does not do it all the time. But it can be annoying. It might be associated with the agc as whenn its slow it seems worse. Also with the mike turnned all the way down it will still do it when there is not any rf present. the relay is fine and working properly its like an agc type "inrush"when it comes back to receive and again its not during every transmit. Maybe 50% of the time and random. Any ideas?

I tried to download service manual and my adobe says its corrupt!

ANY IDEAS WOULD BE APPRECIATED!

Thank You

Donald Bryant
KB4RRC
<Bio on QRZ.COM>

Do you Yahoo!?
Yahoo! Mail is new and improved - Check it out!

[Non-text portions of this message have been removed]

1972. TS-830S and SSTV/Packet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-26 20:02:01 UTC
From: Jon, M1CBH
Topic: 1972 Message: 1972

What adjustments should I make to my TS-830's controls when transmitting SSTV/Packet, the manual makes reference to no more than 125ma/ip, but i don't understand the relevence of this, could somebody please explain very slowly what I should be adjusting and to look for on the meter.

Excuse the simpleness of this question, but my 830 is the only thing valve driven(apart from CRT's) thing I have ever owned.

Jon, M1CBH

1973. Re: TS-820 Help on TX/RX Response time

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 02:47:22 UTC
From: pchapman9202003
Topic: 1971 Message: 1973

Your TR relay ala i think mh4p is dirty or done. Common issue after a few years. I was lucky to find a replacement, but there are notes on doing the business card/contact cleaner spray method that will prolong life for a while. Trust me, I know the aggrivation.

--- In TS-520_820_530_830@yahoogroups.com, Donald Bryant <kb4rrc@y...> wrote:
> Hello to all!
>
> My TS-820 randomly takes about a second or somtimes two to go from TX to RX. The transmit drops but the receiver is still muted. Its not the vox or delay circuit and it does not do it all the time. But it can be annoying. It might be associated with the agc as whenn its slow it seems worse. Also with the mike turnned all the way down it will still do it when there is not any rf present. the relay is fine and working properly its like an agc type "inrush"when it comes back to receive and again its not during every transmit. Maybe 50% of the time and random. Any ideas?
>
> I tried to download service manual and my adobe says its corrupt!
>
>
> ANY IDEAS WOULD BE APPRECIATED!
>
> Thank You
>
> Donald Bryant
> KB4RRC
> <Bio on QRZ.COM>
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Mail is new and improved - Check it out!
>
> [Non-text portions of this message have been removed]

1974. Help with Transmit Line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 14:32:59 UTC
From: k2wh_bill
Topic: 1974 Message: 1974

Apparently my VFO-820, has some kind of problem and has damaged (2) rigs before I knew what was going on. On both rigs, the FIX-VOX board lost components. Q9, D17 and R31 shorted and/or burned. R31 actually roasted, Q9 shorted and D17 opened. With these components damaged, I lost the ability to transmit. Receiving is fine. The damaged circuit seems to be a switch for 14vdc to the relay coil (RL). Diode D17 seems to be protection for back EMF from the relay coil.

I replaced all (3) components as follows:

Q9 with a suitable NTE device
D17 a 1N60 diode with a 1N34 device
R31 with a like value resistor.

Turned the rig on and I still have no transmit either with the mic or the Send/Receive switch on the front panel. I measured the relay coil and get somewhere around 380 ohms so I know the relay coil is OK, right? Can the 1N60 be replaced with a 1N34? I checked the specs on both devices and it seems the 1N34 can be used in this circuit.

Since I have spare components, I will replace the FIX-VOX board with another known working unit to see if that solves the problem. If not, does anyone have any ideas where else to look? I suspect since Q9 is a simple switch, there may be more damage on the board.

As a side, in the schematic of the radio there is a device called "CH" with "In" and "Out" labels? It is located on the schematic above and to the right of the right of the relay board. It seems to be a coil of some type but I am note sure and seems to be associated with the 14vdc bus. Anyone know what this device is or where it is in the radio.

K2WH

1975. Re: Transverter Connections for TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 18:19:09 UTC
From: Dennis Adams
Topic: 1947 Message: 1975

Not sure I can help. I have a kenwood TS-520S and the 520SE models.
I have the 520SE in pieces and would an internal picture of a 520S
help?

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum"
<brent.baum@s...> wrote:
> Just an update to the group on how the project is progressing.
>
> Inspection of the inside of the radio revealed that all the
circuit
> board connections continue to exist with the SE model, Kenwood
> elected not to bring them outside the box, and never connected
> anything at these points.
>
> To continue I need help with the following:
>
> 1. How do I determine which is pin 1, pin 2, etc. on the TR relay?
> I'm not familiar enough with the component to tell.
>
> 2. I understand the schematic, but because I'm a little out of
> practice, I need a drawing or description of where the wiring from
> the TR relay and the Xverter switch physically connects within the
> radio; that is where are the connections made inside the 520S?
This
> is important because the relay and switch interrupt some pretty
> important circuits.
>
> 3. I'm having trouble locating duplicates for the odd ball 12 pin
> connector block and cable plugs that Kenwood used for the xverter
> control connections. I suppose I could go to a modern computer
type
> DIN or molex connector but that would detract from the vintage
flavor
> of the radio.
>
> Thanks group for all the help.
>
> 73 de K7MEI

1976. Re: Transverter Connections for TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 20:40:08 UTC
From: Jim
Topic: 1947 Message: 1976

I am not sure the "oddball" transverter connection is really 12 pins. I am pretty sure that Kenwood used a 16 pin connector and had a few spare pins. The connectors (I am pretty sure) are from a Japanese company named Hirose that made them for the Japanese telephone company NTT. The part number for the plug is P-1316-CTA which has a rear exit for the cable or you can use it's close cousin is the P-1316-CEA which has a side exit for the cable. The matching sockets are S-1316-CTA or S-1316-CEA. Original equipment was the CTA variety.

Minimum order quantity from Hirose is 1000 pieces, which at $11 each runs into some real money. The only source I have found that will sell in eaches is an outfit in Egham, England named Electrovalue. They have a website at:

http://www.electrovalue.co.uk/

I don't know if they still have stock available, but when I dealt with them they took my Visa card number and promptly shipped my parts out in a bubble envelope. As I recall, I had them within a week or so. Very nice folks to deal with. Price was UKP 11 or around $15 at the time, plus a few bucks for shipping. All in, I think I paid less than $20.

73 and good luck,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> Just an update to the group on how the project is progressing.
>
> Inspection of the inside of the radio revealed that all the circuit
> board connections continue to exist with the SE model, Kenwood
> elected not to bring them outside the box, and never connected
> anything at these points.
>
> To continue I need help with the following:
>
> 1. How do I determine which is pin 1, pin 2, etc. on the TR relay?
> I'm not familiar enough with the component to tell.
>
> 2. I understand the schematic, but because I'm a little out of
> practice, I need a drawing or description of where the wiring from
> the TR relay and the Xverter switch physically connects within the
> radio; that is where are the connections made inside the 520S?

This
> is important because the relay and switch interrupt some pretty
> important circuits.
>
> 3. I'm having trouble locating duplicates for the odd ball 12 pin
> connector block and cable plugs that Kenwood used for the xverter
> control connections. I suppose I could go to a modern computer
type
> DIN or molex connector but that would detract from the vintage
flavor
> of the radio.
>
> Thanks group for all the help.
>
> 73 de K7MEI

1977. Re: TS830s+VFO230 Clean 4sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 23:23:54 UTC
From: nospamvictim
Topic: 1853 Message: 1977

--- In TS-520_820_530_830@yahoogroups.com, "nospamvictim"
<nospamvictim@y...> wrote:
> Sorry to see the end of an era here. Getting ready to move. Both
> are very clean and as new in operation. No smoker. VBT and
Passband > controls new. $500 for the pair you ship. To be packed
with care.
>
> Jim, ac6tk

Also new driver tube and LOAD shaft coupler.

Tired of spam. Find E-mail and web link on QRZ lookup.

1978. Re: TS-830S and SSTV/Packet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-27 23:59:29 UTC
From: nospamvictim
Topic: 1972 Message: 1978

--- In TS-520_820_530_830@yahoogroups.com, "Jon, M1CBH" <m1cbh@g...>
wrote:
> What adjustments should I make to my TS-830's controls when
transmitting
> SSTV/Packet, the manual makes reference to no more than 125ma/ip,
but i
> don't understand the relevence of this, could somebody please
explain very
> slowly what I should be adjusting and to look for on the meter.
>
> Excuse the simpleness of this question, but my 830 is the only
thing valve
> driven(apart from CRT's) thing I have ever owned.
>
> Jon, M1CBH

It is pretty much standard operating proceedure with all rigs to reduce the mic gain to below the ALC threshold to prevent intermodulation distortion and the resulting splatter when feeding digital modes into an SSB rig.

It should also be noted that normal SSB voice operation has much lower duty cycle than the alternating tones of the SSTV/Packet, so you need to reduce the dissapation of the tubes and the power supply otherwise you will blow the rig's fuse. The radio should be tuned up normally, with final plate and load tuning done (fully loaded) in CW, to the normal 225-235 ma ip/full RF output, then the mic gain will be adjusted for 125 ma ip in ssb mode with tone input. Also make sure your fan is clean, lubed and well adjusted.

You will find that even with the seemingly reduced output, that you will actually get a more error free link with a cleaner signal, and with the TS830 there will still be more power output than with any 100 watt Solid state rig adjusted properly for minimum IMD.

Jim, ac6tk

1979. Re: TS-830S and SSTV/Packet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-28 01:46:56 UTC
From: nospamvictim
Topic: 1972 Message: 1979

--- In TS-520_820_530_830@yahoogroups.com, "Jon, M1CBH" <m1cbh@g...>
wrote:
> What adjustments should I make to my TS-830's controls ...explain
very
> slowly what I should be adjusting and to look for on the meter...
>
> Jon, M1CBH

I suppose we should start from scratch. For whatever mode the
proceedure is the same. This assumes just about any radio with 6146B
neutralized pair and Pi network output matching.

1) LOAD control should be preset to minimum and PLATE control to the
intended band area.

2) Tune the VFO to where you want to operate and adjust the DRIVE for
maximum recieve (actually this is the preselector/driver tuning
control.

It really helps to have a wattmeter or SWR meter in line for tuning
for maximum output while the IP meter is selected. This way you can
see how maximum RF output will (or very nearly) coincide with dip in
IP. The radio should only be briefly keyed only as necessary to tune
each adjustment and watch meters. Once you know the normal position
for the adjustments for each band, you can skip most of this and just
go straight to CW mode and peak up the RF output and switch back to
IP to check that it is normal. This is no more trouble than tuning
an outboard antenna tuner on any newer rig.

3) With CARRIER and mic gain at minimum, and the mic keyed, you
should see 55 ma IP resting current (or therabouts between 50 and 60
will be fine at this point). There should be roughly 800v on the
Plate.

4) With the radio dekeyed you would initially set mode to TUNE, key
the radio and bring up the drive until the IP or RF output begins to
rise to 125 ma, and tune the PLATE for a dip in the IP, then tune
DRIVE then CAR for a peak in output power and dekey. The DRIVE
control peak should be very close to the best recieve. If it is not a
sharp peak, then the CAR control was too high. One could even skip
peaking the DRIVE until later if there is sufficient carrier to drive
the radio to full output for the final load adjustment.

5) With the radio now in CW mode and watching for RF output, briefly
key the radio by either the SEND or key down and increase the LOAD
while simultaneously peaking the PLATE for MAXIMUM RF OUTPUT and
dekey.

6) Look at the IP and breifly key the radio still in CW mode, you should have 225-235 ma IP. Slightly adjusting the PLATE should show that you are at or very close to minimum, and the dip should be very shallow. This indicates that you were fully loaded.

7) Now Switch to ALC metering and key the radio breifly while adjusting DRIVE for a peak in ALC while using the CAR to keep it downscale. Now go back to step 5 and make sure you are at MAXIMUM RF OUTPUT. Switching back to IP should show you are in the 125-135 ma. range. You will do this step as you move across the band, more so on 80 and 40 than on 20 meters, but you will find this to be no more trouble than using an outboard tuner on a solid state rig where you will be tuning for maximum RF output with minimum ALC (SWR shutback).

8) With mic gain at minimum in SSB mode, key the mic and see 55 ma IP resting current or find the adjustment near the fan on the back panel. This is not real critical and will fluctuate maybe 5 ma. 50-55 is fine.

At this point you are ready for CW operation or go to SSB and set the mic gain and processor adjustments for SSB operation, or for digital, turn the processor OFF and with a steady tone input reduce the mic gain for 125 ma IP.

There may be variations from the manual but I don't care. There have been various opinions regarding final loading in CW mode rather than TUNE mode. This is academic. Look it up in the ARRL Handbook if you want. A well neutralized PA with PI network output IS ALWAYS tuned for maximum RF output in order to fully load the PA and provide best linearity and harmonic rejection. This can't be done in the TUNE mode. TUNE mode is to insure the PLATE is not "way out of tune or the tubes will fry". If the IP dips way off afterwards, the tubes need to be neutralized. If the IP is too low, the antenna is not matched well enough for full loading.

As stated above, if you have already done this a few times and know where the controls should be, put them there and go right to step 2 and 7 and you're done. If you want to run low power just turn the mic gain down. I have full output from the same 6146B tubes that have been in the radio for 20 years. You should NEVER have to replace your 6146Bs ever unless you take it up to field day.

Jim, ac6tk

1980. Re: Transverter Connections for TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-28 14:11:57 UTC
From: Brent Baum
Topic: 1947 Message: 1980

Thanks, an internal picture would help, especially of the wiring connections to the t/r relay and the back of the transverter switch. The next most helpful thing would be to know the exact point-to-point wiring for the transverter connector, switch and t/r relay as set up on the S so I can duplicate it on the SE.

This is kind of like an old movie where the hero is trying to diffuse a time bomb...."red wire or blue wire?" :)

73 de K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "Dennis Adams" <hemi427man@y...> wrote:
> Not sure I can help. I have a kenwood TS-520S and the 520SE models.
> I have the 520SE in pieces and would an internal picture of a 520S
> help?
>
> --- In TS-520_820_530_830@yahoogroups.com, "Brent Baum"
> <brent.baum@s...> wrote:
> > Just an update to the group on how the project is progressing.
> >
> > Inspection of the inside of the radio revealed that all the
> circuit
> > board connections continue to exist with the SE model, Kenwood
> > elected not to bring them outside the box, and never connected
> > anything at these points.
> >
> > To continue I need help with the following:
> >
> > 1. How do I determine which is pin 1, pin 2, etc. on the TR
relay?
> > I'm not familiar enough with the component to tell.
> >
> > 2. I understand the schematic, but because I'm a little out of
> > practice, I need a drawing or description of where the wiring
from
> > the TR relay and the Xverter switch physically connects within
the
> > radio; that is where are the connections made inside the 520S?
> This
> > is important because the relay and switch interrupt some pretty
> > important circuits.
> >
> > 3. I'm having trouble locating duplicates for the odd ball 12 pin
> > connector block and cable plugs that Kenwood used for the xverter
> > control connections. I suppose I could go to a modern computer

> type
> > DIN or molex connector but that would detract from the vintage
> flavor
> > of the radio.
> >
> > Thanks group for all the help.
> >
> > 73 de K7MEI

1981. RE: [TS-520_820_530_830] Help with Transmit Line

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-28 13:39:52 UTC
From: Bill
Topic: 1974 Message: 1981

As a follow up to my previous message, I replaced the Fix-Vox board with a replacement
Fix-Vox board and the rig now works 100%. Apparently something else is defective on
the board. I will troubleshoot it at a later date. Please see my prior msg about the problem
I experienced attached below.

Since the failure of (2) (same) boards on 2 different rigs using the same VFO, I suspected
a problem with the VFO because the rigs worked fine prior to connecting to the VFO.
I traced the line associated with the Fix-Vox board identified as RL. This line goes to the
relay coil in the rig, the Fix Vox board, and a few other places in the rig.

The RL line goes directly to the collector of Q9 on the Fix-Vox board. This
line also goes to pin 5 on the VFO connector on the back of the TS-820s. Following the
schematic into the VFO, pin 5 is connected to one side of the VFO relay coil, a diode and
a capacitor. The other side of the VFO relay coil is connected to pin 3 on the VFO connector.
Following pin 3 back to the TS-820s VFO connector this line is connected directly to ground.
Therefore, we have one side of the relay coil grounded and the other side activated by a + signal
on pin 5. I hope you have followed me this far.

Opening up the VFO, there is very little that could go wrong with it to damage external
equipment (the TS-820s). The only real thing that could do such damage would be either
a dead short or a defective component. As stated before, pin 5 of the VFO goes to 3 components
the relay coil, a diode and a capacitor. Testing these components revealed a failed diode across
the relay coil.

The failed diode put a dead short on the RL line. Therefore when I transmitted, Q9 collector was
connected directly to ground through the shorted diode. Hence, burned up parts on the Fix-Vox
board. Just thought you might want to know what I found.

K2WH

-----Original Message-----
From: k2wh_bill [mailto:k2wh@...]
Sent: Sunday, June 27, 2004 20:33 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Help with Transmit Line

Apparently my VFO-820, has some kind of problem and has damaged (2) rigs before I knew what was going on. On both rigs, the FIX-VOX board lost components. Q9, D17 and R31 shorted and/or burned. R31 actually roasted, Q9 shorted and D17 opened. With these components damaged, I lost the ability to transmit. Receiving is fine. The damaged circuit seems to be a switch for 14vdc to the relay coil (RL). Diode D17 seems to be protection for back EMF from the relay coil.

I replaced all (3) components as follows:

Q9 with a suitable NTE device
D17 a 1N60 diode with a 1N34 device
R31 with a like value resistor.

Turned the rig on and I still have no transmit either with the mic or the Send/Receive switch on the front panel. I measured the relay coil and get somewhere around 380 ohms so I know the relay coil is OK, right? Can the 1N60 be replaced with a 1N34? I checked the specs on both devices and it seems the 1N34 can be used in this circuit.

Since I have spare components, I will replace the FIX-VOX board with another known working unit to see if that solves the problem. If not, does anyone have any ideas where else to look? I suspect since Q9 is a simple switch, there may be more damage on the board.

As a side, in the schematic of the radio there is a device called "CH" with "In" and "Out" labels? It is located on the schematic above and to the right of the right of the relay board. It seems to be a coil of some type but I am note sure and seems to be associated with the 14vdc bus. Anyone know what this device is or where it is in the radio.

K2WH

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[Non-text portions of this message have been removed]

1982. Storing a radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-29 10:16:12 UTC
From: ka9vaa
Topic: 1982 Message: 1982

I have a 520se-530-820-830 and a 930. I just don't have enough room on my desk. I would like to store a couple away. Anyone have any suggestion on how to safely do this? I thought I would clean all switches - lube the fans and vfo shafts, wrap in plastic and put in boxes. Does this sound ok? I don't want to find in a year nothing works.

Thank you

1983. Donner's Digital Interface 830/

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-29 10:49:13 UTC
From: Ron Maret
Topic: 1983 Message: 1983

For sale one Donner's Digital Interface used with my TS-830S (Also for TS-520, TS-530, TS-820, and TS-830. This interface will allow for receiving and transmitting. PSK31, RTTY, Hellschreiber, and other digital modes, plus give you the isolation that you need to protect your gear. Paid $40.00 about a month ago and unit works as new. Selling for $25.00. I am now using an ICOM IC-746 with a different interface and no longer need the Donner. Email me if interested rmaret@... - Thanks - Ron/WB8WSS

1984. Re: [TS-520_820_530_830] Storing a radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-06-29 12:54:28 UTC
From: Bill K0ZL
Topic: 1982 Message: 1984

Lend it out to a trusted friend who would like to try
HF.

b

--- ka9vaa <ka9vaa@...> wrote:
> I have a 520se-530-820-830 and a 930. I just don't
> have enough room on
> my desk. I would like to store a couple away. Anyone
> have any
> suggestion on how to safely do this? I thought I
> would clean all
> switches - lube the fans and vfo shafts, wrap in
> plastic and put in
> boxes. Does this sound ok? I don't want to find in a
> year nothing works.
>
> Thank you
>
>

=====

"If in doubt, MODIFY" --k0zl

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1985. WTB: Kenwood MC-30S or MC-35S Microphone

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-01 00:44:53 UTC
From: kzerokav
Topic: 1985 Message: 1985

Either of the above mics in good electrical/cosmetic condition and
with the Kenwood 4 pin mic. connector.

Contact Van at: k0kav@...

Van,
KL7TDZ

1986. Re: [TS-520_820_530_830] Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-01 01:31:13 UTC
From: Eric Webner
Topic: 1778 Message: 1986

Hi Guys,

Years ago I replaced the lollipop D-104 mic element with a Heil HC-4 element. I also installed a impedance-matching transformer as Bill suggests and had terrible results. Finally, after much screwing around with it, I tried it without the transformer and it worked great!!! Still run that same mike with my TS-520.

73,

Eric
KA8FAN

DW <andersonradioactivity@...> wrote:
--- Bill K0ZL <coorsbill@...> wrote:
> Get the Heil HC-4 or HC-5 element and stick it in a
> mic of some type, maybe bought from hamfest or
> whatever. Then get you a lo to hi-z transformer and
> crank 'er up... probably do the whole thing for
> under
> $40.00.
>
> Also if you can find an Astatic mic with the 10DA
> head
> (the bullet, not the lollipop D-104), that will give
> you great SSB audio.
>
> Or find a "dead" D104, and put a Heil element in it.
> I
> did that for a local guy and he loves it.
>
> b

I was just checking into doing exactly that, eg:
dropping the HC-4 into a D(as in DEAD)-104. Heil no
longer sells the element seperately. I haven't asked
him why.

BTW, sorry to dupe if this info is already out. I'm
1.63 weeks behind on my e-mails, as usual.

DW

=====
DW White

KE6WYB, Shasta County, CA, CN80vq

Semper Fi

The LORD Is My Rock
<><And My Fortress
><>And My Deliverer Psalm 18:2

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1987. Re: Cheap Mic???

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-01 14:04:36 UTC
From: pchapman9202003
Topic: 1778 Message: 1987

Can not buy the element anymore cuz BOB got an idea from Steve Jobs
from many years ago.

--- In TS-520_820_530_830@yahoogroups.com, Eric Webner <ka8fan@y...>
wrote:
> Hi Guys,
>
> Years ago I replaced the lollipop D-104 mic element with a Heil HC-
4 element. I also installed a impedance-matching transformer as Bill
suggests and had terrible results. Finally, after much screwing
around with it, I tried it without the transformer and it worked
great!!! Still run that same mike with my TS-520.
>
> 73,
>
> Eric
> KA8FAN
>
> DW <andersonradioactivity@y...> wrote:
> --- Bill K0ZL <coorsbill@y...> wrote:
> > Get the Heil HC-4 or HC-5 element and stick it in a
> > mic of some type, maybe bought from hamfest or
> > whatever. Then get you a lo to hi-z transformer and
> > crank 'er up... probably do the whole thing for
> > under
> > $40.00.
> >
> > Also if you can find an Astatic mic with the 10DA
> > head
> > (the bullet, not the lollipop D-104), that will give
> > you great SSB audio.
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> > Or find a "dead" D104, and put a Heil element in it.
> > I
> > did that for a local guy and he loves it.
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> > b
>
> I was just checking into doing exactly that, eg:
> dropping the HC-4 into a D(as in DEAD)-104. Heil no
> longer sells the element seperately. I haven't asked
> him why.
>
> BTW, sorry to dupe if this info is already out. I'm
> 1.63 weeks behind on my e-mails, as usual.

>
> DW
>
> =====
> DW White
>
> KE6WYB, Shasta County, CA, CN80vq
>
> Semper Fi
>
> The LORD Is My Rock
> <><And My Fortress
> ><>And My Deliverer Psalm 18:2
>
>
>
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>
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1988. TS 820 TX to RX Response Problem Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-02 10:25:14 UTC
From: Donald Bryant
Topic: 1988 Message: 1988

Hi Group!

Update on the TX- RX response time issue. I found the Frequency Counter(DG-1) cable was in close proximity with the IF board on top of the chassis. I moved it to below the chassis and ty rapped it 1/2 away for any other cable.

NOW FOR THE RESULTS!

On the 1st several keyups... The Receiver springs back to life with reduced volume and the S meter is pinned to the right corner. Then it will pop in about a 1/2 second later. No words chopped not just low volume. Its like the RF gain is turned down and the gain finally pops in.... ONLY ON SLOW AGC . Normal Behavior in the OFF position and have not tryed the fast position for any length of time yet. Checked contacts on both relays and they looked good. lightly rubbed them to make sure they did not have residue.

Anything to check.. I was sucessfull in download a service manual and have aligned the 3.3V ,9v and RIT and the unit seems to receiver clearer. One ham say on a local repeater to let the radio warmup for several hours to see if the problem disappears. Hope to do that this weekend.

Happy 4th of July All!

Donald Bryant KB4RRC

Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.

[Non-text portions of this message have been removed]

1989. Re: TS 820 TX to RX Response Problem Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 03:38:12 UTC
From: au20061
Topic: 1988 Message: 1989

Donald

The problem is in the relays.......the TS-820 has two of them. They need to be cleaned with something like deoxit. I cleaned mine once but they need it again. The contacts can look good and still be oxidized. This seems to be a fairly comman problem with the relays. Good luck.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Donald Bryant <kb4rrc@y...> wrote:
> Hi Group!
>
> Update on the TX- RX response time issue. I found the Frequency Counter(DG-1) cable was in close proximity with the IF board on top of the chassis. I moved it to below the chassis and ty rapped it 1/2 away for any other cable.
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> NOW FOR THE RESULTS!
>
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> Happy 4th of July All!
>
> Donald Bryant KB4RRC
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Mail Address AutoComplete - You start. We finish.
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> [Non-text portions of this message have been removed]

1990. Re: [TS-520_820_530_830] Re: TS 820 TX to RX Response Problem Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 13:33:10 UTC
From: Donald Bryant
Topic: 1988 Message: 1990

Thank You and I have concluded you and another gentlemans response is this problem is 100% correct. I noticed after I put the rear relay back in and screwed it down the screw must have touched a wire in the PA compartment as I had a high voltage pop until I moved the wire around.

Again Thanks for your reponse!

au20061 <au2006@...> wrote:
Donald

The problem is in the relays.......the TS-820 has two of them. They need to be cleaned with something like deoxit. I cleaned mine once but they need it again. The contacts can look good and still be oxidized. This seems to be a fairly comman problem with the relays. Good luck.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Donald Bryant <kb4rrc@y...> wrote:
> Hi Group!
>
> Update on the TX- RX response time issue. I found the Frequency Counter(DG-1) cable was in close proximity with the IF board on top of the chassis. I moved it to below the chassis and ty rapped it 1/2 away for any other cable.
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>

> Happy 4th of July All!
>
> Donald Bryant KB4RRC
>
>
> ---------------------------------
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1991. RE: [TS-520_820_530_830] Re: TS 820 TX to RX Response Problem Update

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 03:48:54 UTC
From: Bill
Topic: 1988 Message: 1991

(2) Relays???????? Please enlighten me because I know of only (1)
relay in the 820.

K2WH

-----Original Message-----
From: au20061 [mailto:au2006@...]
Sent: Saturday, July 03, 2004 9:38 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TS 820 TX to RX Response Problem
Update

Donald

The problem is in the relays.......the TS-820 has two of them. They
need to be cleaned with something like deoxit. I cleaned mine once
but they need it again. The contacts can look good and still be
oxidized. This seems to be a fairly comman problem with the relays.
Good luck.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Donald Bryant
<kb4rrc@y...> wrote:
> Hi Group!
>
> Update on the TX- RX response time issue. I found the Frequency
Counter(DG-1) cable was in close proximity with the IF board on top
of the chassis. I moved it to below the chassis and ty rapped it 1/2
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>
> NOW FOR THE RESULTS!
>
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with reduced volume and the S meter is pinned to the right corner.
Then it will pop in about a 1/2 second later. No words chopped not
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finally pops in.... ONLY ON SLOW AGC . Normal Behavior in the OFF
position and have not tryed the fast position for any length of time
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> Happy 4th of July All!
>
> Donald Bryant KB4RRC
>
>
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1992. Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 19:39:57 UTC
From: irjack2004
Topic: 1992 Message: 1992

Hi Folks,

I am Jack Sumner, KC5DHD. I have owned a TS-520 since the mid 1970's, and it has sat in its carton for about the last 20 years. Getting it out a couple of years ago, I found everything fine except that the tubes had gassed. I replced the tubes with new ones, a matched pair of 6146B's and a 6BY12. Everything is fine now, except that I cannot get the finals to neutralize!

What I have done so far is this: I am using a Micronta (Radioshack) FETVM equipped with an RF probe that I built from a design in the ARRL Handbook. Following the instructions in the Kenwood owner's manual, I adjusted the neutralizaing capacitor until there is no deflection on the FETVM. The plate current dip and RF output peak are almost on top of each other, but the finals still self-oscillate. I have minimized the rate of self-oscillation, as evidenced by the time it takes for the plate idling current to creep up noticably, but nothing I have tried has eliminated it altogether.

I will welcome any recommendations you have.

1993. Re: Storing a radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 19:49:40 UTC
From: irjack2004
Topic: 1982 Message: 1993

I really think Bill's idea of loaning it to a friend is the best suggesstion, but I have to point out that I stored a TS-520 in its original carton for about 20 years and it kept just fine, even through several moves -- only deterioration was the tubes, which I expected after 20 years.

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...> wrote:
> I have a 520se-530-820-830 and a 930. I just don't have enough room on
> my desk. I would like to store a couple away. Anyone have any
> suggestion on how to safely do this? I thought I would clean all
> switches - lube the fans and vfo shafts, wrap in plastic and put in
> boxes. Does this sound ok? I don't want to find in a year nothing works.
>
> Thank you

1994. Re: [TS-520_820_530_830] Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 20:22:39 UTC
From: Peter A Markavage
Topic: 1992 Message: 1994

Try another 12BY7 driver tube.
Pete, wa2cwa

On Sat, 03 Jul 2004 19:39:57 -0000 "irjack2004" <irjack2004@...>
writes:
Hi Folks,

I am Jack Sumner, KC5DHD. I have owned a TS-520 since the mid
1970's, and it has sat in its carton for about the last 20 years.
Getting it out a couple of years ago, I found everything fine except
that the tubes had gassed. I replced the tubes with new ones, a
matched pair of 6146B's and a 6BY12. Everything is fine now, except
that I cannot get the finals to neutralize!

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ARRL Handbook. Following the instructions in the Kenwood owner's
manual, I adjusted the neutralizaing capacitor until there is no
deflection on the FETVM. The plate current dip and RF output peak
are almost on top of each other, but the finals still self-
oscillate. I have minimized the rate of self-oscillation, as
evidenced by the time it takes for the plate idling current to creep
up noticably, but nothing I have tried has eliminated it altogether.

I will welcome any recommendations you have.

[Non-text portions of this message have been removed]

1995. 2nd Relay Location

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 20:38:45 UTC
From: Donald Bryant
Topic: 1988 Message: 1995

The 1st one is under the middle of the radio with not metal cover. The 2nd and hidden one is directly under the PA assembly on the bottom of the chassis with a small metal cover over it. Its is against the BACK of the Radio and takes 2 screws to remove the cover to expose the relay.

Bill <k2wh@...> wrote:(2) Relays???????? Please enlighten me because I know of only (1) relay in the 820.

K2WH

-----Original Message-----
From: au20061 [mailto:au2006@...]
Sent: Saturday, July 03, 2004 9:38 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TS 820 TX to RX Response Problem Update

Donald

The problem is in the relays.......the TS-820 has two of them. They need to be cleaned with something like deoxit. I cleaned mine once but they need it again. The contacts can look good and still be oxidized. This seems to be a fairly comman problem with the relays. Good luck.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, Donald Bryant <kb4rrc@y...> wrote:
> Hi Group!
>
> Update on the TX- RX response time issue. I found the Frequency Counter(DG-1) cable was in close proximity with the IF board on top of the chassis. I moved it to below the chassis and ty rapped it 1/2 away for any other cable.
>
> NOW FOR THE RESULTS!
>
> On the 1st several keyups... The Receiver springs back to life with reduced volume and the S meter is pinned to the right corner. Then it will pop in about a 1/2 second later. No words chopped not just low volume. Its like the RF gain is turned down and the gain finally pops in.... ONLY ON SLOW AGC . Normal Behavior in the OFF position and have not tryed the fast position for any length of time yet. Checked contacts on both relays and they looked good. lightly rubbed them to make sure they did not have residue.
>

>
> Anything to check.. I was sucessfull in download a service manual
and have aligned the 3.3V ,9v and RIT and the unit seems to receiver
clearer. One ham say on a local repeater to let the radio warmup
for several hours to see if the problem disappears. Hope to do that
this weekend.
>
> Happy 4th of July All!
>
> Donald Bryant KB4RRC
>
>
> ---------------------------------
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>
> [Non-text portions of this message have been removed]

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p://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
s/S=:HM/A=2128215/rand=342656499>

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1996. RE: [TS-520_820_530_830] Re: Storing a radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 10:18:54 UTC
From: Bill
Topic: 1982 Message: 1996

I just got a 820s brand new after 25 years and it is perfect. Kept in the box all
this time and no deterioration detected. Even the screws are shiny.

Keep any rig in a cool DRY place. Add desiccant bags to the storage box.

K2WH

-----Original Message-----
From: irjack2004 [mailto:irjack2004@...]
Sent: Sunday, July 04, 2004 1:50 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Storing a radio

I really think Bill's idea of loaning it to a friend is the best suggesstion, but I have to point out that I stored a TS-520 in its original carton for about 20 years and it kept just fine, even through several moves -- only deterioration was the tubes, which I expected after 20 years.

--- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...> wrote:
> I have a 520se-530-820-830 and a 930. I just don't have enough room on
> my desk. I would like to store a couple away. Anyone have any
> suggestion on how to safely do this? I thought I would clean all
> switches - lube the fans and vfo shafts, wrap in plastic and put in
> boxes. Does this sound ok? I don't want to find in a year nothing works.
>
> Thank you

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<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=120220033>

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[Non-text portions of this message have been removed]

1997. Re: [TS-520_820_530_830] Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 23:58:17 UTC
From: Jack Sumner
Topic: 1992 Message: 1997

Thanks, Pete. I meant 12BY7 in the original post. They are not expensive, so I will try another one.

73,
Jack

Peter A Markavage <pmarkavage@...> wrote:
Try another 12BY7 driver tube.
Pete, wa2cwa

On Sat, 03 Jul 2004 19:39:57 -0000 "irjack2004" <irjack2004@...>
writes:
Hi Folks,

I am Jack Sumner, KC5DHD. I have owned a TS-520 since the mid 1970's, and it has sat in its carton for about the last 20 years. Getting it out a couple of years ago, I found everything fine except that the tubes had gassed. I replced the tubes with new ones, a matched pair of 6146B's and a 6BY12. Everything is fine now, except that I cannot get the finals to neutralize!

What I have done so far is this: I am using a Micronta (Radioshack) FETVM equipped with an RF probe that I built from a design in the ARRL Handbook. Following the instructions in the Kenwood owner's manual, I adjusted the neutralizaing capacitor until there is no deflection on the FETVM. The plate current dip and RF output peak are almost on top of each other, but the finals still self-oscillate. I have minimized the rate of self-oscillation, as evidenced by the time it takes for the plate idling current to creep up noticably, but nothing I have tried has eliminated it altogether.

I will welcome any recommendations you have.

[Non-text portions of this message have been removed]

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1998. Re: [TS-520_820_530_830] Re: Storing a radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 21:29:48 UTC
From: donii@sympatico.ca
Topic: 1982 Message: 1998

Vacum pack the whole thing! No freeze dry it then vacum pack. The send it on a specialy calculated space trajectory (according to Einstein ??) that would make it age slower than us on earth. You'd have a newer than mint!! Would make the ebay cronies flip out!! They could ask more than the 'mint' price! (which sometimes surpasses the real value).

I know, I know I'm taking up bandwidth!! But I am /ham/ !
73's
VE2FAR
Peter

Bill wrote:

> I just got a 820s brand new after 25 years and it is perfect. Kept in
> the box all
> this time and no deterioration detected. Even the screws are shiny.
>
> Keep any rig in a cool DRY place. Add desiccant bags to the storage
> box.
>
> K2WH
>
> -----Original Message-----
> From: irjack2004 [mailto:irjack2004@...]
> Sent: Sunday, July 04, 2004 1:50 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: Storing a radio
>
>
> I really think Bill's idea of loaning it to a friend is the best
> suggesstion, but I have to point out that I stored a TS-520 in its
> original carton for about 20 years and it kept just fine, even
> through several moves -- only deterioration was the tubes, which I
> expected after 20 years.
>
> --- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
> wrote:
> > I have a 520se-530-820-830 and a 930. I just don't have enough room
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> > my desk. I would like to store a couple away. Anyone have any
> > suggestion on how to safely do this? I thought I would clean all
> > switches - lube the fans and vfo shafts, wrap in plastic and put in
> > boxes. Does this sound ok? I don't want to find in a year nothing
> works.
> >
> > Thank you

>
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1999. Re: [TS-520_820_530_830] Re: Storing a radio..... Maximum humidity?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-03 21:40:38 UTC
From: donii@sympatico.ca
Topic: 1982 Message: 1999

Gentlemen
If the ideal humidity level for storing a radio is 0%, what would be the most tolerable % for my transceivers that I have in my shack/basement that I try to keep around 45% to 50% humidity. My dehumidifier will have troblr keeping it any lower unless I kick up the room temp.I collect boatanchors and many of their blemishses on the innards are surface deterioration of the metal chassis and various alumimium housings. Many of my boatanchors have had it bad with water running down the coax into the transceiver. Just this is a good argument for having a matchbox(antenna tuner). Apparently Brasso wil fix things up...I'll try it and get back to the group.
73's
VE2FAR
Peter

Bill wrote:

> I just got a 820s brand new after 25 years and it is perfect. Kept in
> the box all
> this time and no deterioration detected. Even the screws are shiny.
>
> Keep any rig in a cool DRY place. Add desiccant bags to the storage
> box.
>
> K2WH
>
> -----Original Message-----
> From: irjack2004 [mailto:irjack2004@...]
> Sent: Sunday, July 04, 2004 1:50 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: Storing a radio
>
>
> I really think Bill's idea of loaning it to a friend is the best
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> original carton for about 20 years and it kept just fine, even
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> expected after 20 years.
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> --- In TS-520_820_530_830@yahoogroups.com, "ka9vaa" <ka9vaa@f...>
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> > I have a 520se-530-820-830 and a 930. I just don't have enough room
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> > switches - lube the fans and vfo shafts, wrap in plastic and put in
> > boxes. Does this sound ok? I don't want to find in a year nothing
> works.
> >
> > Thank you
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> p://companion.yahoo.com> click here
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> <http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
> s/S=:HM/A=2128215/rand=120220033>
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2000. Re: [TS-520_820_530_830] Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-04 13:01:02 UTC
From: Bill K0ZL
Topic: 1992 Message: 2000

When this occurs, reach in there and remove the driver
tube, see what happens.

You can take the driver shield off ahead of time to
make the task easier.

Usually it's the driver that's oscillating.

b

--- irjack2004 <irjack2004@...> wrote:
> Hi Folks,
>
> I am Jack Sumner, KC5DHD. I have owned a TS-520
> since the mid
> 1970's, and it has sat in its carton for about the
> last 20 years.
> Getting it out a couple of years ago, I found
> everything fine except
> that the tubes had gassed. I replced the tubes with
> new ones, a
> matched pair of 6146B's and a 6BY12. Everything is
> fine now, except
> that I cannot get the finals to neutralize!
>
> What I have done so far is this: I am using a
> Micronta (Radioshack)
> FETVM equipped with an RF probe that I built from a
> design in the
> ARRL Handbook. Following the instructions in the
> Kenwood owner's
> manual, I adjusted the neutralizaing capacitor until
> there is no
> deflection on the FETVM. The plate current dip and
> RF output peak
> are almost on top of each other, but the finals
> still self-
> oscillate. I have minimized the rate of
> self-oscillation, as
> evidenced by the time it takes for the plate idling
> current to creep
> up noticably, but nothing I have tried has
> eliminated it altogether.
>
> I will welcome any recommendations you have.
>

>

=====

"If in doubt, MODIFY" --k0zl

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2001. 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-04 19:35:36 UTC
From: R. Braddock
Topic: 2001 Message: 2001

Hi guys,
I decided to reapproach my old 830 output problem today and it is back on the bench. I have pretty much replaced all the resistors in the PA section and checked my connections against the schematic. I think that this particular 830 was hacked(or attempted) to do CB. A while back, I posted that the outputs begin to glow orange soon after the heater and the SG switch is turned on. So, I bought a NOS set of 6146Bs and proceeded to start troubleshooting. Now I'm showing 900V on HV and the plates are glowing a dull orange. The IP is a little over 200ma. Is it normal for the tubes to be dull orange? Would not being neutralized properly do this? What, specifically, do I need to check? I have several more modern radios, but I really like this this old 830 and the receiver is great.

Richard Braddock KI4BFC

2002. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-05 14:00:40 UTC
From: Bill K0ZL
Topic: 2001 Message: 2002

Looks like you have lost your grid bias.

Have you checked the bias adjustment? It's a pot on
the back of the rig, near the bottom rail. You should
be able to adjust Ip down to zero in USB or LSB
transmit mode.

--- "R. Braddock" <rbraddock@...> wrote:
> Hi guys,
> I decided to reapproach my old 830 output problem
> today and it is
> back on the bench. I have pretty much replaced all
> the resistors in
> the PA section and checked my connections against
> the schematic. I
> think that this particular 830 was hacked(or
> attempted) to do CB. A
> while back, I posted that the outputs begin to glow
> orange soon after
> the heater and the SG switch is turned on. So, I
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> 6146Bs and proceeded to start troubleshooting. Now
> I'm showing 900V
> on HV and the plates are glowing a dull orange. The
> IP is a little
> over 200ma. Is it normal for the tubes to be dull
> orange? Would not
> being neutralized properly do this? What,
> specifically, do I need to
> check? I have several more modern radios, but I
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>
> Richard Braddock KI4BFC
>
>

=====

"If in doubt, MODIFY" --k0zl

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2003. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-05 15:26:03 UTC
From: R Braddock
Topic: 2001 Message: 2003

I just checked the bias adjustment and it does nothing. The IP remains at about 250ma when in transmit on tune mode. I measured about -78VDC on the bias pot, though. I did go ahead and spray Deoxit in it to see if it would help and it did not. Next step?
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, July 05, 2004 10:00 AM
Subject: Re: [TS-520_820_530_830] 830s Outputs

Looks like you have lost your grid bias.

Have you checked the bias adjustment? It's a pot on
the back of the rig, near the bottom rail. You should
be able to adjust Ip down to zero in USB or LSB
transmit mode.

--- "R. Braddock" <rbraddock@...> wrote:
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> I decided to reapproach my old 830 output problem
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> orange? Would not
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> Richard Braddock KI4BFC
>
>

=====

"If in doubt, MODIFY" --k0zl

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2004. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-05 19:32:34 UTC
From: Bill K0ZL
Topic: 2001 Message: 2004

-78 volts should cut off all tube plate current.

Tube idle current should be checked in LSB or USB mode
with no modulation; not TUNE mode.

If excessive current persists in LSB or USB mode with
the pot all the way CCW as you face the rear panel,
you have then lost the connection between the pot
wiper and the tube grids, somehow.

Typically, the 6146 will cut completely off at about
-65 volts.

bill

--- R Braddock <rbraddock@...> wrote:
> I just checked the bias adjustment and it does
> nothing. The IP remains at about 250ma when in
> transmit on tune mode. I measured about -78VDC on
> the bias pot, though. I did go ahead and spray
> Deoxit in it to see if it would help and it did not.
> Next step?
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, July 05, 2004 10:00 AM
> Subject: Re: [TS-520_820_530_830] 830s Outputs
>
>
> Looks like you have lost your grid bias.
>
> Have you checked the bias adjustment? It's a pot
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> the back of the rig, near the bottom rail. You
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> transmit mode.
>
>
>
> --- "R. Braddock" <rbraddock@...> wrote:
> > Hi guys,
> > I decided to reapproach my old 830 output
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2005. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-05 20:16:26 UTC
From: R Braddock
Topic: 2001 Message: 2005

I forgot to mention that I had the 830 on the variac at about 90VAC when I did this, so the reading would be a little low I guess. I had replaced the voltage regulator board a while back, so I will double check all of the connections to it.

Richard KI4BFC

----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, July 05, 2004 3:32 PM
Subject: Re: [TS-520_820_530_830] 830s Outputs

-78 volts should cut off all tube plate current.

Tube idle current should be checked in LSB or USB mode
with no modulation; not TUNE mode.

If excessive current persists in LSB or USB mode with
the pot all the way CCW as you face the rear panel,
you have then lost the connection between the pot
wiper and the tube grids, somehow.

Typically, the 6146 will cut completely off at about
-65 volts.

bill

--- R Braddock <rbraddock@...> wrote:
> I just checked the bias adjustment and it does
> nothing. The IP remains at about 250ma when in
> transmit on tune mode. I measured about -78VDC on
> the bias pot, though. I did go ahead and spray
> Deoxit in it to see if it would help and it did not.
> Next step?
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Monday, July 05, 2004 10:00 AM
> Subject: Re: [TS-520_820_530_830] 830s Outputs
>
>
> Looks like you have lost your grid bias.
>
> Have you checked the bias adjustment? It's a pot
> on
> the back of the rig, near the bottom rail. You
> should

> be able to adjust Ip down to zero in USB or LSB
> transmit mode.
>
>
>
> --- "R. Braddock" <rbraddock@...> wrote:
> > Hi guys,
> > I decided to reapproach my old 830 output
> problem
> > today and it is
> > back on the bench. I have pretty much replaced
> all
> > the resistors in
> > the PA section and checked my connections
> against
> > the schematic. I
> > think that this particular 830 was hacked(or
> > attempted) to do CB. A
> > while back, I posted that the outputs begin to
> glow
> > orange soon after
> > the heater and the SG switch is turned on. So, I
> > bought a NOS set of
> > 6146Bs and proceeded to start troubleshooting.
> Now
> > I'm showing 900V
> > on HV and the plates are glowing a dull orange.
> The
> > IP is a little
> > over 200ma. Is it normal for the tubes to be
> dull
> > orange? Would not
> > being neutralized properly do this? What,
> > specifically, do I need to
> > check? I have several more modern radios, but I
> > really like this this
> > old 830 and the receiver is great.
> >
> > Richard Braddock KI4BFC
> >
> >
>
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> =====
>
> "If in doubt, MODIFY" --k0zl
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2006. TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 01:23:19 UTC
From: spoolmak76
Topic: 2006 Message: 2006

I've got a TS-530s that once in a while (more often lately) emits a loud SNAP shortly after turning on the radio (in receive). I've looked inside the case and there is no apparent cause for the noise (no dead capacitors, no soot traces, no dust, no spiders, etc). Any idea what might be the cause?

Thanks!

2007. RE: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-05 14:48:11 UTC
From: Bill
Topic: 2006 Message: 2007

Look for dirt or dust around the HV compartment, xfmr windings and the
PA area.
Get some high pressure dry air and blow the rig out. Look for opposing
metal or
circuits that are too close to one another. Since the HV is only about
800 vdc and
not alot of current, it may not be obvious where the arcing is taking
place.
Close examination (with power off) may be necessary.

K2WH

-----Original Message-----
From: spoolmak76 [mailto:spoolmak76@...]
Sent: Tuesday, July 06, 2004 7:23 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530s - Cause of high voltage like
popping sound?

I've got a TS-530s that once in a while (more often lately) emits a
loud SNAP shortly after turning on the radio (in receive). I've
looked inside the case and there is no apparent cause for the noise
(no dead capacitors, no soot traces, no dust, no spiders, etc). Any
idea what might be the cause?

Thanks!

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p://companion.yahoo.com> click here

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2008. Re: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 02:03:06 UTC
From: Paul Manuel
Topic: 2006 Message: 2008

--- spoolmak76 <spoolmak76@...> wrote:
> I've got a TS-530s that once in a while (more often lately) emits a
> loud SNAP shortly after turning on the radio (in receive).

My guess is that a HV capacitor is arcing internally. I have an Amp Supply LA-1000 and it would occasionally make that dreaded noise. It did that for probably a year until the cap permanently shorted and bulged.
Others may have other opinions...
73,
Paul K4PDM

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2009. RE: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 02:58:47 UTC
From: Donald Bryant
Topic: 2006 Message: 2009

Funny you all mention that I had the popping noise for about a week until the until popped and quit transmitting TODAYon my TS-820 . I found a wire burned open and turns missing on the small RF choke about 1/8 inch from the metal ring of the rear 6146b. I measured 925V (appx.) on the supply side of the choke and zero on the plate side. It was a 3uh choke and I did not have one. I cheated - I tore up an old ac adapter and noticed the wire was a tad larger in gauge. I wound 40 turns vs 30 turns as I did not feel the value of the choke would be that critical. I carefully spaced it as far as I could from the tube base. I have only transmitted into the dummy load but it appears to be fine now as It occured today 7/5/04....No I did not get to work the 10 meter opening.. Its Allstar baseball season in South Carolina!

Donald KB4RRC

Bill <k2wh@...> wrote:
Look for dirt or dust around the HV compartment, xfmr windings and the
PA area.
Get some high pressure dry air and blow the rig out. Look for opposing
metal or
circuits that are too close to one another. Since the HV is only about
800 vdc and
not alot of current, it may not be obvious where the arcing is taking
place.
Close examination (with power off) may be necessary.

K2WH

-----Original Message-----
From: spoolmak76 [mailto:spoolmak76@...]
Sent: Tuesday, July 06, 2004 7:23 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-530s - Cause of high voltage like
popping sound?

I've got a TS-530s that once in a while (more often lately) emits a
loud SNAP shortly after turning on the radio (in receive). I've
looked inside the case and there is no apparent cause for the noise
(no dead capacitors, no soot traces, no dust, no spiders, etc). Any
idea what might be the cause?

Thanks!

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2010. Looking for Mode switch knob for TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 02:59:43 UTC
From: Budd Turner
Topic: 2010 Message: 2010

A friend just acquired a TS-520 that lacks a Mode Knob.
If you have one or know of a source, please email Terry
KC5EGC@...
PS If you email Terry, congradulate him on upgrading to Extra from
Tech last weekend.
73
Budd

2011. VFO-520 Use with a Ts-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 11:53:58 UTC
From: Charles D. Feigley Sr
Topic: 2011 Message: 2011

Hello All,
I was wondering if it is possible to use the VFO-520 with
my TS-520S. I would like to have a VFO-520S but a VFO-520 is for
sale by a local ham,and I thought I would use it if possible.
Thank You in advance for your help.
73
Charlie W4CDF

2012. RE: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:25:04 UTC
From: Bill K0ZL
Topic: 2006 Message: 2012

Be sure to check the top of the plate choke; that wire
is really small and can break loose, then arc over
where the end is close to the top of the coil form.
Have seen this twice.

To fix, just unwind one turn of wire, strip the enamel
off the end and re-solder to the top lug.

bill

--- Bill <k2wh@...> wrote:
> Look for dirt or dust around the HV compartment,
> xfmr windings and the
> PA area.
> Get some high pressure dry air and blow the rig out.
> Look for opposing
> metal or
> circuits that are too close to one another. Since
> the HV is only about
> 800 vdc and
> not alot of current, it may not be obvious where the
> arcing is taking
> place.
> Close examination (with power off) may be necessary.
>
> K2WH
>
> -----Original Message-----
> From: spoolmak76 [mailto:spoolmak76@...]
> Sent: Tuesday, July 06, 2004 7:23 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-530s - Cause of
> high voltage like
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> (no dead capacitors, no soot traces, no dust, no
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> idea what might be the cause?
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> Thanks!
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2013. Re: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:32:55 UTC
From: Bill K0ZL
Topic: 2006 Message: 2013

Air compressors are under $100.00, every ham should
have one with a stinger nozzle to blow the rigs out
once a year.

b

--- spoolmak76 <spoolmak76@...> wrote:
> I've got a TS-530s that once in a while (more often
> lately) emits a
> loud SNAP shortly after turning on the radio (in
> receive). I've
> looked inside the case and there is no apparent
> cause for the noise
> (no dead capacitors, no soot traces, no dust, no
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2014. 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:32:53 UTC
From: R. Braddock
Topic: 2001 Message: 2014

Well, I am kind of at a loss. I removed the output tubes and switched the SG and heater to ON. I'm not sure what to look for. I measured the bias from the pot and it does adjust. It is in the 80VDC range in receive and in the 60VDC in transmit. I have been trying to find this somewhere on the PA board, but I cannot. Can someone tell me what voltages to what pins I should find on the PA board? Apparently, Bill is correct, I am not getting a bias to the PA. But, I'm not sure where it should be coming from and where it is suppose to connect. Thanks for the help.

Richard KI4BFC

2015. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:39:50 UTC
From: Bill K0ZL
Topic: 2001 Message: 2015

Give me a day to get into the schematic with ya,
working 12 hrs today, then off tomorrow so I will have
time in the shop to do ham stuff.

bill

--- "R. Braddock" <rbraddock@...> wrote:
> Well, I am kind of at a loss. I removed the output
> tubes and switched
> the SG and heater to ON. I'm not sure what to look
> for. I measured
> the bias from the pot and it does adjust. It is in
> the 80VDC range in
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> Thanks for the help.
>
> Richard KI4BFC
>
>
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2016. Re: TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:45:26 UTC
From: R. Braddock
Topic: 2006 Message: 2016

This is also an interesting topic, since I had to totally rebuild the PA cage(everything appeared burnt up!). The plate choke in mine appears to have had excessive heat and the enamel is charred. However, when I pulled everything apart, I measure continuity on this choke and I still have 900V at the top. Should this thing be rewound? If so, how many turns of what? Thanks.

KI4BFC

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Be sure to check the top of the plate choke; that wire
> is really small and can break loose, then arc over
> where the end is close to the top of the coil form.
> Have seen this twice.
>
> To fix, just unwind one turn of wire, strip the enamel
> off the end and re-solder to the top lug.
>
> bill
>
> --- Bill <k2wh@o...> wrote:
> > Look for dirt or dust around the HV compartment,
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> > Get some high pressure dry air and blow the rig out.
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> > place.
> > Close examination (with power off) may be necessary.
> >
> > K2WH
> >
> > -----Original Message-----
> > From: spoolmak76 [mailto:spoolmak76@y...]
> > Sent: Tuesday, July 06, 2004 7:23 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] TS-530s - Cause of
> > high voltage like
> > popping sound?

> >
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> > I've got a TS-530s that once in a while (more often
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2017. RE: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 14:52:14 UTC
From: Walter Milton
Topic: 2006 Message: 2017

NO !!!
All hams should have some Can Air to blow their rigs out. Compressed air
from an air compressor can contain water and oil. You do not want either
in your rig.

Walt
-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Tuesday, July 06, 2004 10:33 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-530s - Cause of high voltage like
popping sound?

Air compressors are under $100.00, every ham should
have one with a stinger nozzle to blow the rigs out
once a year.

b

--- spoolmak76 <spoolmak76@...> wrote:
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2018. Re: [TS-520_820_530_830] 830s Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 15:43:15 UTC
From: Paul Manuel
Topic: 2001 Message: 2018

> --- "R. Braddock" <rbraddock@...> wrote:
> I measured the bias from the pot and it does adjust. It is in
> > the 80VDC range in receive and in the 60VDC in transmit. I have been
> > trying to find this somewhere on the PA board, but I cannot. Can
>someone tell me what voltages to what pins I should find on the PA
>board?

In the meantime before Bill gets to look at his schematic, can't you find a diagram of the 6146 on the internet and see which pins are which? That is what I did with the 6KD6s in my old FTdx-570.
73 & good luck,
Paul K4PDM

_____
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2019. Re: [TS-520_820_530_830] Mode Knob ts-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 16:20:25 UTC
From: james27613@att.net
Topic: 2019 Message: 2019

Hi Budd + Terry

The Mode Knob is available from
http://www.kenwoodparts.com

K29-0166-04 (L2) KNOB TS-520 $4.19

plus s+h

The VFO short plug is also available

E05-0901-05 TS-820 9P VFO PLUG TS-520 $5.04

73 James ke4drn

Date: Tue, 06 Jul 2004 02:59:43 -0000
From: "Budd Turner" <n7eoj@...>
Subject: Looking for Mode switch knob for TS-520

A friend just acquired a TS-520 that lacks a Mode Knob.
If you have one or know of a source, please email Terry
KC5EGC@...
PS If you email Terry, congradulate him on upgrading to Extra from
Tech last weekend.
73
Budd

2020. 6146 by Daystrom good foe TS-820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 19:36:08 UTC
From: donii@sympatico.ca
Topic: 2020 Message: 2020

I know that this must have been answered before but I can get a matched
pair of Heathkit 6146's (A's I'm sure).
CanI put them in my TS-820s with no mods. nor problems?
73's
VE2FAR
Peter

2021. Re: [TS-520_820_530_830] 6146 by Daystrom good foe TS-820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 20:09:25 UTC
From: k2wh@optonline.net
Topic: 2020 Message: 2021

A matched pair of 6146's or any tubes are a waste of money and time. Just get (2) tubes of the same type and install them. Matching tubes does nothing but make your wallet thinner. Regards.

K2WH

2022. Re: [TS-520_820_530_830] 6146 by Daystrom good foe TS-820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 21:46:00 UTC
From: Mike kd8q
Topic: 2020 Message: 2022

Could this be true? Kind of like the matched battery packs all the RC car guys are gaga for! Hogwash? Things that make one go hmmmmm.

73,
Mike kd8q

k2wh@... wrote:
A matched pair of 6146's or any tubes are a waste of money and time. Just get (2) tubes of the same type and install them. Matching tubes does nothing but make your wallet thinner. Regards.

K2WH

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[Non-text portions of this message have been removed]

2023. RE: [TS-520_820_530_830] TS-530s - Cause of high voltage like popping sound?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 22:20:40 UTC
From: Bill K0ZL
Topic: 2006 Message: 2023

Yes... I have used my compressor for years with no
problem whatsoever... the air coming out is clean.

that canned air stuff can get expensive by the time
you do your rig, the computer, the monitor, the coils
in the fridge, and the grankids soccer ball..

b

--- Walter Milton <wmilton@...> wrote:
> NO !!!
> All hams should have some Can Air to blow their rigs
> out. Compressed air
> from an air compressor can contain water and oil.
> You do not want either
> in your rig.
>
> Walt

=====

"If in doubt, MODIFY" --k0zl

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2024. Re: [TS-520_820_530_830] 6146 by Daystrom good foe TS-820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 22:24:37 UTC
From: Bill K0ZL
Topic: 2020 Message: 2024

6146B, from RF parts or a seller on Ebay that does a
lot of tubes and has good feedback rating. Should be
from 65 to 95, depending on source.

Yes, you may have to neutralize the PA. Fun to learn
but a bit dangerous. Hey you did firecrackers for the
Canada Day, no?

bill

--- "donii@..." <donii@...> wrote:
> I know that this must have been answered before but
> I can get a matched
> pair of Heathkit 6146's (A's I'm sure).
> CanI put them in my TS-820s with no mods. nor
> problems?
> 73's
> VE2FAR
> Peter
>
>

=====

"If in doubt, MODIFY" --k0zl

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2025. Re: [TS-520_820_530_830] 6146 by Daystrom good foe TS-820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 22:32:37 UTC
From: Bill K0ZL
Topic: 2020 Message: 2025

I agree that one needs to stick to the same
manufacturer on the tubes; but matched pairs are not
that much more expensive. I think sometimes they are
easier to neutralize. I know, they are in parallel and
it shouldn't matter. Just an observation.

b

--- Mike kd8q <kd8q@...> wrote:
> Could this be true? Kind of like the matched battery
> packs all the RC car guys
> are gaga for! Hogwash? Things that make one go
> hmmmmm.
>
> 73,
> Mike kd8q
>
> k2wh@... wrote:
> A matched pair of 6146's or any tubes are a waste of
> money and time. Just get (2) tubes of the same type
> and install them. Matching tubes does nothing but
> make your wallet thinner. Regards.
>
> K2WH
>
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"If in doubt, MODIFY" --k0zl

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2026. VFO-520 Use with a Ts-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-06 23:25:34 UTC
From: Charles D. Feigley Sr
Topic: 2011 Message: 2026

Hello All,
I was wondering if it is possible to use the VFO-520 with
my TS-520S. I would like to have a VFO-520S but a VFO-520 is for
sale by a local ham,and I thought I would use it if possible.
Thank You in advance for your help.
73
Charlie W4CDF

2027. Re: [TS-520_820_530_830] 6146 matched set

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 13:02:09 UTC
From: james27613@att.net
Topic: 2027 Message: 2027

hi Peter,

Surplus Sales ships worldwide and the matched pair is
less expensive then buying them separately.
The driver tube is also available.

http://www.surplussales.com/Tubes-Sock-Acc/TubeSpecials.html

73 james

Date: Tue, 06 Jul 2004 15:36:08 -0400
From: "donii@..." <donii@...>
Subject: 6146 by Daystrom good foe TS-820?

I know that this must have been answered before but I can get a matched
pair of Heathkit 6146's (A's I'm sure).
CanI put them in my TS-820s with no mods. nor problems?
73's
VE2FAR
Peter

2028. Re: [TS-520_820_530_830] Shop Air

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 13:05:54 UTC
From: james27613@att.net
Topic: 2028 Message: 2028

Hi Walt,

Yes shop air can have trace oil and moisture from the older units
that do not use an external receiver/dryer ($ 20 or less) to protect the
tools and other equipment.

The newer oil less types should also use the receiver/dryer to trap
the water vapors from the compression cycles.

If a compressor in not available, just user the shop vac in blow cycle
or borrow the xyl blow dryer and use it without heat !

73 james

Message: 7
Date: Tue, 6 Jul 2004 10:52:14 -0400
From: "Walter Milton" <wmilton@...>
Subject: RE: TS-530s - Cause of high voltage like popping sound?

NO !!!
All hams should have some Can Air to blow their rigs out. Compressed air
from an air compressor can contain water and oil. You do not want either
in your rig.

Walt

2029. Help PLEASE.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 14:53:56 UTC
From: Charles D. Feigley Sr
Topic: 2029 Message: 2029

Hello,
I have been trying to find out if it is possible to use a VFO-
520 with a TS-520S Transceiver. It may be a dumb question to some,
but living on a disability income I would like to know if this combo
will work befor I go and waste my money.
Thanks in advance,
Charlie W4CDF

2030. RE: [TS-520_820_530_830] Help PLEASE.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 15:04:12 UTC
From: Ron Kienzle
Topic: 2029 Message: 2030

Yes, Charlie, the VFO-520 is designed to work with the TS-520s. In fact, it is a very nice combination. Be sure you get the connecting cable and the manual.

--Ron (KZ7P)

-----Original Message-----
From: Charles D. Feigley Sr [mailto:w4cdf@...]
Sent: Wednesday, July 07, 2004 10:54 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Help PLEASE.....

Hello,
I have been trying to find out if it is possible to use a VFO-520 with a TS-520S Transceiver. It may be a dumb question to some, but living on a disability income I would like to know if this combo will work befor I go and waste my money.
Thanks in advance,
Charlie W4CDF

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2031. Re: [TS-520_820_530_830] Help PLEASE.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 15:17:16 UTC
From: Kelly
Topic: 2029 Message: 2031

Charlie,
I'm sure you can, it was made for that purpose. I have a VFO 820 that I used for my 520s. I bought mine off ebay fairly reasonable, and it works great. Make sure it includes the cable, or you will have to make one. As far as I know, nobody sells the cable, but you can still buy the connectors and solder your own. It's a simple straight through (pin 1 to pin 1, pin 2 to pin 2, etc.) connection. I used a short section of CAT5E network cable to make mine, along with some heatshrink tubing for strain relief at each end.

Hope this helps.
73 AB8SG
Kelly

Charles D. Feigley Sr wrote:

>Hello,
> I have been trying to find out if it is possible to use a VFO-
>520 with a TS-520S Transceiver. It may be a dumb question to some,
>but living on a disability income I would like to know if this combo
>will work befor I go and waste my money.
>Thanks in advance,
>Charlie W4CDF
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2032. RE: [TS-520_820_530_830] Help PLEASE.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 06:38:26 UTC
From: Bill
Topic: 2029 Message: 2032

According to the schematics, they are the same and therefore,
interchangeable.

K2WH

-----Original Message-----
From: Kelly [mailto:kmaiden@...]
Sent: Wednesday, July 07, 2004 21:17 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Help PLEASE.....

Charlie,
I'm sure you can, it was made for that purpose. I have a VFO 820
that I used for my 520s. I bought mine off ebay fairly reasonable, and
it works great. Make sure it includes the cable, or you will have to
make one. As far as I know, nobody sells the cable, but you can still
buy the connectors and solder your own. It's a simple straight through
(pin 1 to pin 1, pin 2 to pin 2, etc.) connection. I used a short
section of CAT5E network cable to make mine, along with some heatshrink
tubing for strain relief at each end.

Hope this helps.
73 AB8SG
Kelly

Charles D. Feigley Sr wrote:

>Hello,
> I have been trying to find out if it is possible to use a VFO-
>520 with a TS-520S Transceiver. It may be a dumb question to some,
>but living on a disability income I would like to know if this combo
>will work befor I go and waste my money.
>Thanks in advance,
>Charlie W4CDF
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[Non-text portions of this message have been removed]

2033. Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 17:58:39 UTC
From: donii@sympatico.ca
Topic: 2033 Message: 2033

Inrad made a WARC kit to get the 3 'new' WARC bands with the FT-101.
Does anyone have knowledge of some thing similar for the
TS-520_820_530_830 line.? I think it can be done with the TS-530,830 but
I have an 820.....
Has anyone ever added bands to the 520/820?
73's
VE2FAR
Peter

2034. Re: [TS-520_820_530_830] Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 19:13:31 UTC
From: Mike kd8q
Topic: 2033 Message: 2034

Hey Peter,
There is an ARRL article that tells of how to add the WARC bands to the 820. Maybe someone on the reflector has a copy they can upload? I have an 820 also and was looking for this article right up untill I found a great deal on a 930SAT.

73,
Mike kd8q

"donii@..." <donii@...> wrote:
Inrad made a WARC kit to get the 3 'new' WARC bands with the FT-101.
Does anyone have knowledge of some thing similar for the
TS-520_820_530_830 line.? I think it can be done with the TS-530,830 but
I have an 820.....
Has anyone ever added bands to the 520/820?
73's
VE2FAR
Peter

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2035. Re: [TS-520_820_530_830] Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 19:26:22 UTC
From: Mike kd8q
Topic: 2033 Message: 2035

Hey Peter,
To follow up. The articles were in Feb 1983, Nov 1983 and Jan 1984 QST. The first deals with the Mods. The second with feedback on the first and the Jan 1984 article says technical correspondence! Hope this helps

Mike kd8q

Mike kd8q <kd8q@...> wrote:
Hey Peter,
There is an ARRL article that tells of how to add the WARC bands to the 820. Maybe someone on the reflector has a copy they can upload? I have an 820 also and was looking for this article right up untill I found a great deal on a 930SAT.

73,
Mike kd8q

"donii@..." <donii@...> wrote:
Inrad made a WARC kit to get the 3 'new' WARC bands with the FT-101.
Does anyone have knowledge of some thing similar for the
TS-520_820_530_830 line.? I think it can be done with the TS-530,830 but
I have an 820.....
Has anyone ever added bands to the 520/820?
73's
VE2FAR
Peter

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2036. Re: VFO-520 Use with a Ts-520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 19:46:54 UTC
From: Brent Baum
Topic: 2011 Message: 2036

Charlie,
If your VFO doesn't come with a manual please don't buy one from the scalpers on e-bay. You can down load an excellent copy for free from the KG6HAF web site, www.kg6haf.com/kenwood.html

73 and good luck, de K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "Charles D. Feigley Sr" <w4cdf@e...> wrote:
> Hello All,
> I was wondering if it is possible to use the VFO-520 with
> my TS-520S. I would like to have a VFO-520S but a VFO-520 is for
> sale by a local ham,and I thought I would use it if possible.
> Thank You in advance for your help.
> 73
> Charlie W4CDF

2037. RE: Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 20:39:35 UTC
From: w4cdf@earthlink.net
Topic: 2037 Message: 2037

Hello,
I would like to Thank everyone who took the time
to answer my plea for help. I will be adding the VFO-520
to my modest setup.
Again Thank You All,
Charlie W4CDF

2038. RE: [TS-520_820_530_830] RE: Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 21:00:23 UTC
From: Ron Kienzle
Topic: 2037 Message: 2038

You station is not all that modest, Charlie. True, it has a great deal of experience, but, the 520 is a venerable rig which has been the backbone of many DXCC and contest-winning stations. I've always liked it -- and I've had many of the top-of-the-line recent solid state appliances. If you ever get tired of it, drop me a note.

--Ron (KZ7P)

-----Original Message-----
From: w4cdf@... [mailto:w4cdf@...]
Sent: Wednesday, July 07, 2004 4:40 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] RE: Help Please

Hello,
I would like to Thank everyone who took the time
to answer my plea for help. I will be adding the VFO-520
to my modest setup.
Again Thank You All,
Charlie W4CDF

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2039. Re: [TS-520_820_530_830] Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 21:05:27 UTC
From: donii@sympatico.ca
Topic: 2033 Message: 2039

Thanks mike for the info.
I know that there is an amateur around here that has QST on a CD rom.
Got to try to find him. Anyone out there interested in making a copy for me?

Mike kd8q wrote:

> Hey Peter,
> To follow up. The articles were in Feb 1983, Nov 1983 and Jan 1984
> QST. The first deals with the Mods. The second with feedback on the
> first and the Jan 1984 article says technical correspondence! Hope
> this helps
>
> Mike kd8q
>
> Mike kd8q <kd8q@...> wrote:
> Hey Peter,
> There is an ARRL article that tells of how to add the WARC bands to
> the 820. Maybe someone on the reflector has a copy they can upload? I
> have an 820 also and was looking for this article right up untill I
> found a great deal on a 930SAT.
>
> 73,
> Mike kd8q
>
> "donii@..." <donii@...> wrote:
> Inrad made a WARC kit to get the 3 'new' WARC bands with the FT-101.
> Does anyone have knowledge of some thing similar for the
> TS-520_820_530_830 line.? I think it can be done with the TS-530,830 but
> I have an 820.....
> Has anyone ever added bands to the 520/820?
> 73's
> VE2FAR
> Peter
>

2040. Re: [TS-520_820_530_830] RE: Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-07 21:08:30 UTC
From: Kelly
Topic: 2037 Message: 2040

Great Charlie. I think you'll like it.
Hope to catch you "on air" sometime
Kelly AB8SG

w4cdf@... wrote:

>Hello,
> I would like to Thank everyone who took the time
>to answer my plea for help. I will be adding the VFO-520
>to my modest setup.
> Again Thank You All,
>Charlie W4CDF
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2041. Re: [TS-520_820_530_830] Help PLEASE.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 00:31:31 UTC
From: csahlgren@aol.com
Topic: 2029 Message: 2041

Charlie:

It is probably compatible as I for years have run a VFO-820 with a TS-820S.
If memory serves, the "S" in the designation indicates an on board digital
readout.

73's de Charles, WB6IYM

[Non-text portions of this message have been removed]

2042. antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 05:57:18 UTC
From: Kerrod Atfield
Topic: 2042 Message: 2042

I own a ts 530 s and would like to know what a good tuner is for it
and where I might get one. Thanks Kerrod.

2043. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 12:39:32 UTC
From: Bill K0ZL
Topic: 2042 Message: 2043

HOwday Kerrod,

Any tuner made for ham radio will work with your 530.

YOu need to decide if you want an auto tuner, or a
manual one.

Hint, if buying MFJ, buy the largest tuner you can
afford. The "100w" tuners cannot really handle 100
watts... I figure on derating MFJ products by at least
50 percent.

bill

--- Kerrod Atfield <kerval@...> wrote:
> I own a ts 530 s and would like to know what a good
> tuner is for it
> and where I might get one. Thanks Kerrod.
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2044. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 12:53:30 UTC
From: Kerrod Atfield
Topic: 2042 Message: 2044

Thanks for the info, Bill. Looking on ebay & vkham. Alternative email address is vk4tka@... .
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, July 08, 2004 10:39 PM
Subject: Re: [TS-520_820_530_830] antenna tuners

> HOwday Kerrod,
>
> Any tuner made for ham radio will work with your 530.
>
> YOu need to decide if you want an auto tuner, or a
> manual one.
>
> Hint, if buying MFJ, buy the largest tuner you can
> afford. The "100w" tuners cannot really handle 100
> watts... I figure on derating MFJ products by at least
> 50 percent.
>
> bill
>
>
> --- Kerrod Atfield <kerval@...> wrote:
> > I own a ts 530 s and would like to know what a good
> > tuner is for it
> > and where I might get one. Thanks Kerrod.
> >
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> =====
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> "If in doubt, MODIFY" --k0zl
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2045. RE: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 13:22:28 UTC
From: Ron Kienzle
Topic: 2042 Message: 2045

Wow, Kerrod, you've probably just asked a question whose answer would fill a book! In short, it doesn't matter to the 530 what kind of antenna tuner you get -- what does matter is (a) your budget; (b) your interest in knob twiddling; and, (c) your antenna system.

Some antenna tuners cost over $1,000 but others as little as $35 used. A good price range for a decent manual tuner is about $75 - $150. If you don't like turning knobs, the automotic antenna tuner that matches your rig will run up to $300 on eBay.

Since you have tube finals, you might think about getting a tuner with a built in dummy load. Tune your 530 into the dummy load first then tune the tuner to match your antenna system.

If you have a wire antenna fed with ladder line or a single wire drop, you'll need a tuner with that capability, too. If your antenna is short, you need a fairly hefty tuner with lots of inductance range. MFJ makes some good roller inductor tuners and you can pick them up on eBay or eHam for around $200.

Fully automatic remote tuners like SGC get pretty expensive but they sure are nice.

Well, this might have been very confusing and didn't answer your question -- but, as you can see, it isn't a simple issue.

Good luck and 73,

--Ron (KZ7P)

-----Original Message-----
From: Kerrod Atfield [mailto:kerval@...]
Sent: Thursday, July 08, 2004 1:57 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] antenna tuners

I own a ts 530 s and would like to know what a good tuner is for it and where I might get one. Thanks Kerrod.

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a.. To visit your group on the web, go to:
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c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

2046. Re: RE: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 14:16:16 UTC
From: k2wh@optonline.net
Topic: 2042 Message: 2046

You may want to consider the ICOM AH-4 autotuner. This tuner goes for about $ 250 US and, will tune just about any type of antenna. I have (2) one in the mobile and one at the base of a vertical. It works wonderful.

K2WH

2047. Re: Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-08 18:50:08 UTC
From: Greg
Topic: 2033 Message: 2047

Hi Guys...you are probabbly refering to me....do a search on this group for "WARC" and you should get the history of the info.

I made a CD copy of the article and others of interest, for my own personal archive. Unfortunatly, I didnt have the capability to make them PDF Files and so sent them to another ham to encode them in PDF. I hope I still have them around, as I lost an archieve CD to damage latley.

You may still find them, however, on the HAMFTP file archive. (get more info from Bill or search Yahoo Groups). Although technically, I did not authorize their public distribution, they may still be found for "loan" at that site, in the Kenwood download section.

73 Greg
(my call at rac dot ca)

--- In TS-520_820_530_830@yahoogroups.com, "donii@s..." <donii@s...> wrote:
> Thanks mike for the info.
> I know that there is an amateur around here that has QST on a CD rom.
> Got to try to find him. Anyone out there interested in making a copy for me?
>
> Mike kd8q wrote:
>
> > Hey Peter,
> > To follow up. The articles were in Feb 1983, Nov 1983 and Jan 1984
> > QST. The first deals with the Mods. The second with feedback on the
> > first and the Jan 1984 article says technical correspondence! Hope
> > this helps
> >
> > Mike kd8q
> >
> > Mike kd8q <kd8q@y...> wrote:
> > Hey Peter,
> > There is an ARRL article that tells of how to add the WARC bands to
> > the 820. Maybe someone on the reflector has a copy they can upload? I
> > have an 820 also and was looking for this article right up untill I

> > found a great deal on a 930SAT.
> >
> > 73,
> > Mike kd8q
> >

2048. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-09 05:02:47 UTC
From: Kerrod Atfield
Topic: 2042 Message: 2048

Yhanks for your input Ron. It gives me a few pointers & if I look at all the advice given from everybody, I should be able to make a more informed decision. Kerrod.
----- Original Message -----
From: "Ron Kienzle" <ron@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, July 08, 2004 11:22 PM
Subject: RE: [TS-520_820_530_830] antenna tuners

> Wow, Kerrod, you've probably just asked a question whose answer would fill a
> book! In short, it doesn't matter to the 530 what kind of antenna tuner you
> get -- what does matter is (a) your budget; (b) your interest in knob
> twiddling; and, (c) your antenna system.
>
> Some antenna tuners cost over $1,000 but others as little as $35 used. A
> good price range for a decent manual tuner is about $75 - $150. If you don't
> like turning knobs, the automotic antenna tuner that matches your rig will
> run up to $300 on eBay.
>
> Since you have tube finals, you might think about getting a tuner with a
> built in dummy load. Tune your 530 into the dummy load first then tune the
> tuner to match your antenna system.
>
> If you have a wire antenna fed with ladder line or a single wire drop,
> you'll need a tuner with that capability, too. If your antenna is short, you
> need a fairly hefty tuner with lots of inductance range. MFJ makes some good
> roller inductor tuners and you can pick them up on eBay or eHam for around
> $200.
>
> Fully automatic remote tuners like SGC get pretty expensive but they sure
> are nice.
>
> Well, this might have been very confusing and didn't answer your question --
> but, as you can see, it isn't a simple issue.
>
> Good luck and 73,
>
> --Ron (KZ7P)
>

>
>
> -----Original Message-----
> From: Kerrod Atfield [mailto:kerval@...]
> Sent: Thursday, July 08, 2004 1:57 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] antenna tuners
>
>
> I own a ts 530 s and would like to know what a good tuner is for it
> and where I might get one. Thanks Kerrod.
>
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>
> c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
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> [Non-text portions of this message have been removed]
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2049. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-09 10:56:41 UTC
From: Dale Cole
Topic: 2042 Message: 2049

OK guys and gals; since we are on the subject (antenna tuners), why do antenna tuners as a rule will handle at the most 300w. What about the guy who wants the complete set-up of his station (i.e. 830s, vfo230, sp230, sm220, mc50, at230, and tl922). The at 230 is useless when used with the amp as the tuner is only rated at 300w. I'm an extra (licensed since 1971, but have yet to figure this one out. Am I missing something?
Dale-K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 07/09/04 01:11:22
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] antenna tuners

Yhanks for your input Ron. It gives me a few pointers & if I look at all the advice given from everybody, I should be able to make a more informed decision. Kerrod.
----- Original Message -----
From: "Ron Kienzle" <ron@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, July 08, 2004 11:22 PM
Subject: RE: [TS-520_820_530_830] antenna tuners

> Wow, Kerrod, you've probably just asked a question whose answer would fill
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> tuner to match your antenna system.
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> roller inductor tuners and you can pick them up on eBay or eHam for around
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> are nice.
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> Well, this might have been very confusing and didn't answer your
question --
> but, as you can see, it isn't a simple issue.
>
> Good luck and 73,
>
> --Ron (KZ7P)
>
>
>
> -----Original Message-----
> From: Kerrod Atfield [mailto:kerval@...]
> Sent: Thursday, July 08, 2004 1:57 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] antenna tuners
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> I own a ts 530 s and would like to know what a good tuner is for it
> and where I might get one. Thanks Kerrod.
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[Non-text portions of this message have been removed]

2050. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-09 11:41:31 UTC
From: Bill K0ZL
Topic: 2042 Message: 2050

The Kenwood AT-130 matches the looks of the 530/830
and is a good manual tuner. You will need to keep eye
on swap shops and ebay; talk 'em into selling and
shipping to you there, and you will have a good
looking box.

Why do you need a tuner? What antenna are you going to
run with the rig?

b

--- Kerrod Atfield <kerval@...> wrote:
> Yhanks for your input Ron. It gives me a few
> pointers & if I look at all the
> advice given from everybody, I should be able to
> make a more informed
> decision. Kerrod.
> ----- Original Message -----
> From: "Ron Kienzle" <ron@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Thursday, July 08, 2004 11:22 PM
> Subject: RE: [TS-520_820_530_830] antenna tuners
>
>
> > Wow, Kerrod, you've probably just asked a question
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> a
> > book! In short, it doesn't matter to the 530 what
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> > twiddling; and, (c) your antenna system.
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> > $200.
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> > Fully automatic remote tuners like SGC get pretty
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> > but, as you can see, it isn't a simple issue.
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> > Good luck and 73,
> >
> > --Ron (KZ7P)
> >
> >
> >
> > -----Original Message-----
> > From: Kerrod Atfield [mailto:kerval@...]
> > Sent: Thursday, July 08, 2004 1:57 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] antenna tuners
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> >
> > I own a ts 530 s and would like to know what a
> good tuner is for it
> > and where I might get one. Thanks Kerrod.
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2051. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-09 12:11:14 UTC
From: Bill K0ZL
Topic: 2042 Message: 2051

The KW (and up) tuners are more expensive, and use larger (more arc-proof) components. Actually, most of the tuners rated at 300 watts, may survive 300W going into a dummy load (resistive 52 ohms) but are really only 100W tuners. Some of these can't even handle 100W into some loads! You get what you pay for.

I have heard very good reports about the SGC and Icom AH4 autotuners, and have yet to see any damaged from high SWR, although they are twin T type tuners which tend to carry huge circulating currents when working into reactive loads, particularly on 10-12 meters.

I think a large roller inductor with two vacuum variable caps, in a traditional PI network, would be unbeatable.

Ah.. and here's the rub... your hybrid (tube output) rigs and tube linears can usually withstand up to 3:1 swr without problems.... if you can stand seeing your reflected meter kicking up so high that is! Just make sure you are on or close to your plate dip; and adjust the loading for about ten percent dip. Then tweak both for maximum forward power output in TUNE mode. If arcing occurs in the amp, advance the LOAD control a bit and re-dip the plate. The amp will let you know in short order if you are asking too much of it.

Bill
K0ZL

--- Dale Cole <k9ttt@...> wrote:
> OK guys and gals; since we are on the subject
> (antenna tuners), why do
> antenna tuners as a rule will handle at the most
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> who wants the complete set-up of his station (i.e.
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> as the tuner is only rated at 300w. I'm an extra
> (licensed since 1971, but
> have yet to figure this one out. Am I missing
> something?
> Dale-K9TTT
>

> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: 07/09/04 01:11:22
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] antenna tuners
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> Yhanks for your input Ron. It gives me a few
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> > --Ron (KZ7P)
> >
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> > From: Kerrod Atfield [mailto:kerval@...]
> > Sent: Thursday, July 08, 2004 1:57 AM
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2052. Re: [TS-520_820_530_830] antenna tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-09 14:22:47 UTC
From: Kerrod Atfield
Topic: 2042 Message: 2052

Hello Bill.
At present I use an 80 di-pole angled down slightly at both ends, and in between two high-set houses. It also passes about 1.5 metres above the metal roof for about half the length on both sides of the centre pole which is about 8 metres high. The feed line is RG213 coax. I am limited in what I put up as I live in a rented house and can not put too much up in the way of masts/poles.

After reading Ron (kz7p)'s comment below, I have just purchased (today) a Yaesu FC700. This will be a start for me at any rate, so I'll see how that goes for a while and until I get some more dollars together.

73 for now, and thanks again. Kerrod.

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, July 09, 2004 9:41 PM
Subject: Re: [TS-520_820_530_830] antenna tuners

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> > To: <TS-520_820_530_830@yahoogroups.com>
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> > > like turning knobs, the automotic antenna tuner
> > that matches your rig will
> > > run up to $300 on eBay.
> > >
> > > Since you have tube finals, you might think about
> > getting a tuner with a
> > > built in dummy load. Tune your 530 into the dummy
> > load first then tune the
> > > tuner to match your antenna system.
> > >
> > > If you have a wire antenna fed with ladder line or
> > a single wire drop,
> > > you'll need a tuner with that capability, too. If
> > your antenna is short,
> > you
> > > need a fairly hefty tuner with lots of inductance
> > range. MFJ makes some
> > good
> > > roller inductor tuners and you can pick them up on
> > eBay or eHam for around
> > > $200.
> > >
> > > Fully automatic remote tuners like SGC get pretty
> > expensive but they sure
> > > are nice.
> > >
> > > Well, this might have been very confusing and
> > didn't answer your
> > question --
> > > but, as you can see, it isn't a simple issue.
> > >
> > > Good luck and 73,
> > >
> > > --Ron (KZ7P)
> > >
> > >

> > >
> > > -----Original Message-----
> > > From: Kerrod Atfield [mailto:kerval@...]
> > > Sent: Thursday, July 08, 2004 1:57 AM
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Subject: [TS-520_820_530_830] antenna tuners
> > > >
> > > >
> > > > I own a ts 530 s and would like to know what a
> > good tuner is for it
> > > > and where I might get one. Thanks Kerrod.
> > > >
> > > >
> > > >
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> > > > [Non-text portions of this message have been
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> =====
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> "If in doubt, MODIFY" --k0zl
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2053. re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 14:57:35 UTC
From: Jeff, Julie, Annabelle, and Nicholas
Topic: 2053 Message: 2053

While we're on the subject, I'm considering making a dipole for 40m to use with my 520SE. If it's cut for 40m and I use it for 40m only, I don't really need a tuner for it, do I?

2054. Re: [TS-520_820_530_830] re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 16:03:12 UTC
From: Bill K0ZL
Topic: 2053 Message: 2054

No. 31' 6" for fone, then trim for lowest SWR at 7.225
Mhz, should cover most of the band if you like fone.
For CW go 32' and trim.

That is length from center to end, each side.

b

--- "Jeff, Julie, Annabelle, and Nicholas"
<jjannanik@...> wrote:
> While we're on the subject, I'm considering making a
> dipole for 40m to use
> with my 520SE. If it's cut for 40m and I use it for
> 40m only, I don't
> really need a tuner for it, do I?
>
>

=====

"If in doubt, MODIFY" --k0zl

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2055. RE: [TS-520_820_530_830] re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 16:03:57 UTC
From: Ron Kienzle
Topic: 2053 Message: 2055

That's exactly right. Using resonant antennas, many hams have never even owned a tuner.

I seldom use mine.

--Ron (KZ7P)

-----Original Message-----
From: Jeff, Julie, Annabelle, and Nicholas [mailto:jjannanik@...]
Sent: Saturday, July 10, 2004 10:58 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] re: antenna tuners (kind of...)

While we're on the subject, I'm considering making a dipole for 40m to use with my 520SE. If it's cut for 40m and I use it for 40m only, I don't really need a tuner for it, do I?

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[Non-text portions of this message have been removed]

2056. RE: [TS-520_820_530_830] re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 07:15:15 UTC
From: Bill
Topic: 2053 Message: 2056

While a tuner is not a necessity, the lack of a tuner robs an amateur from the full use of a perfectly good multiband antenna. If you plan to operate (1) band and (1) band only, then yes by all means, cut a resonant dipole and have at it. This is a myopic view of the amateur world in my opinion.

If you ever get a desire to operate other bands, you will be out of luck. Every amateur should own at least one tuner either internal to the rig or my favorite, external to the rig. We amateurs have frequency BANDS, not single, specific frequencies and we want to operate anywhere within those bands - a tuner will allow you to do this with great efficiency from band edge to band edge.

Don't sell your antenna short (pun intended). I wire dipole sized for the lowest operating frequency you intend to use, is one of the simplest and most efficient types of antennas you can own that will (with your tuner) operate very effectively on all other bands even into VHF regions. Get a tuner, learn how to use it and you will be a much happier and versatile ham radio operator.

K2WH

-----Original Message-----
From: Jeff, Julie, Annabelle, and Nicholas
[mailto:jjannanik@...]
Sent: Saturday, July 10, 2004 20:58 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] re: antenna tuners (kind of...)

While we're on the subject, I'm considering making a dipole for 40m to use with my 520SE. If it's cut for 40m and I use it for 40m only, I don't really need a tuner for it, do I?

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<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=181719009>

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[Non-text portions of this message have been removed]

2057. RE: [TS-520_820_530_830] re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 18:28:31 UTC
From: Ron Kienzle
Topic: 2053 Message: 2057

Or, put up a flock of resonant antennas. Multi-band beams, verticals, resonant wires. They don't need tuners. I agree, however, that on the lower frequencies, narrow bandwidth can limit one's capabilities.

--Ron (KZ7P)

-----Original Message-----
From: Bill [mailto:k2wh@...]
Sent: Saturday, July 10, 2004 3:15 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] re: antenna tuners (kind of...)

While a tuner is not a necessity, the lack of a tuner robs an amateur from the full use of a
perfectly good multiband antenna. If you plan to operate (1) band and (1) band only,
then yes by all means, cut a resonant dipole and have at it. This is a myopic view of
the amateur world in my opinion.

If you ever get a desire to operate other bands, you will be out of luck. Every
amateur should own at least one tuner either internal to the rig or my favorite, external
to the rig. We amateurs have frequency BANDS, not single, specific frequencies and we
want to operate anywhere within those bands - a tuner will allow you to do this with great
efficiency from band edge to band edge.

Don't sell your antenna short (pun intended). I wire dipole sized for the lowest
operating frequency you intend to use, is one of the simplest and most efficient types of
antennas you can own that will (with your tuner) operate very effectively on all other bands
even into VHF regions. Get a tuner, learn how to use it and you will be a much happier
and versatile ham radio operator.

K2WH

-----Original Message-----
From: Jeff, Julie, Annabelle, and Nicholas
[mailto:jjannanik@...]
Sent: Saturday, July 10, 2004 20:58 PM
To: TS-520_820_530_830@yahoogroups.com

Subject: [TS-520_820_530_830] re: antenna tuners (kind of...)

While we're on the subject, I'm considering making a dipole for 40m to
use
with my 520SE. If it's cut for 40m and I use it for 40m only, I don't
really need a tuner for it, do I?

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p://companion.yahoo.com> click here

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s/S=:HM/A=2128215/rand=181719009>

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2058. RE: [TS-520_820_530_830] re: antenna tuners (kind of...)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 19:51:22 UTC
From: Bill K0ZL
Topic: 2053 Message: 2058

On 80 and 40 I have opted for what seems to be the
most efficient antenna for my lot; a trapped, tuned
dipole. I use the Unadilla traps on 40m, and tune the
antenna for the phone portions of the band so I don't
need a tuner. The amp and the rig are both happy; I
hope the Valiant will be when I bring it online and I
can use a low-pass filter without worrying.

For excursions to CW I can still use the tube rigs as
they tolerate the SWR and the 850 AT unit takes care
of the rest.
b

--- Ron Kienzle <ron@...> wrote:
> That's exactly right. Using resonant antennas, many
> hams have never even
> owned a tuner.
>
> I seldom use mine.
>
> --Ron (KZ7P)
>
>
> -----Original Message-----
> From: Jeff, Julie, Annabelle, and Nicholas
> [mailto:jjannanik@...]
> Sent: Saturday, July 10, 2004 10:58 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] re: antenna tuners
> (kind of...)
>
>
> While we're on the subject, I'm considering making
> a dipole for 40m to use
> with my 520SE. If it's cut for 40m and I use it
> for 40m only, I don't
> really need a tuner for it, do I?
>
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2059. thanks for your input

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 21:24:05 UTC
From: Jeff, Julie, Annabelle, and Nicholas
Topic: 2059 Message: 2059

All,

Thanks for your input regarding my 40m antenna question. I''ve been operating 20, 15, and 10 with an MFJ Magnetic Loop for 10-30 MHz. I really want to get into 40m, so I just need the one dipole to cover that band, as the others I like are covered by the loop. Thanks again for your hints. FYI - HOA restrictions forced me to get the MFJ loop, but I've had no problems with it. I recommend it.

Jeff

2060. RE: TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 10:33:05 UTC
From: Bill
Topic: 2059 Message: 2060

I just receive another VFO-820. Comparing this VFO-820 to my other VFO-820,
revealed different style main tuning knobs. One of them has the extended "Stud" or
protrusion for speed tuning and the other does not.

Is this just a manufacturing change or did these VFO's go to different types or
manufacturing runs of 820's?

K2WH

[Non-text portions of this message have been removed]

2061. Re: [TS-520_820_530_830] thanks for your input

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-10 23:31:37 UTC
From: Dale Cole
Topic: 2059 Message: 2061

Jeff;
I think your 40m antenna will surprise you on 15 as well. Many of us old timers used one antenna for both. (we did not have privileges on 20 and 10)
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 07/10/04 17:54:42
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] thanks for your input

All,

Thanks for your input regarding my 40m antenna question. I''ve been operating 20, 15, and 10 with an MFJ Magnetic Loop for 10-30 MHz. I really want to get into 40m, so I just need the one dipole to cover that band, as the others I like are covered by the loop. Thanks again for your hints. FYI - HOA restrictions forced me to get the MFJ loop, but I've had no problems with it. I recommend it.

Jeff

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2062. RE:Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 02:34:46 UTC
From: R Braddock
Topic: 1855 Message: 2062

Bill,

Were you ever able to find voltages that I should be looking for in reference to the glowing output tubes? The 830 is still on the bench, but I haven't really done anything else with it. Just to recap, I was able to verify that bias was at the pot and it does adjust. I just cannot find it on the PA board.

Thanks

Richard AE4BP(formerly KI4BFC)

[Non-text portions of this message have been removed]

2063. ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 04:27:48 UTC
From: John
Topic: 2063 Message: 2063

I purchased a clean TS-520s. Can some of you guys advise me the best things to do to check this unit out? I had heard that there are capacitors in the high voltage area that are typically suspect in these older units?

I was told this radio was working about 1 1/2 years ago. Since then it has been on the shelf while I worked toward my ticket. I am now a freashly minted general.... and want to get it running without blowing something out.

2064. Re: [TS-520_820_530_830] ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 13:04:23 UTC
From: Bill K0ZL
Topic: 2063 Message: 2064

John, plug it in and crank it up!

Warm the filaments up for a couple of hours prior to
trying to transmit; this will help drive any air
molecules in the tubes onto the "getter", a device
inside the tube that is there for that purpose.

You can hang your 40M dipole while the radio is
warming up!

73,

Bill
K0ZL

--- John <sendinfo@...> wrote:
> I purchased a clean TS-520s. Can some of you guys
> advise me the best
> things to do to check this unit out? I had heard
> that there are
> capacitors in the high voltage area that are
> typically suspect in
> these older units?
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> I was told this radio was working about 1 1/2 years
> ago. Since then
> it has been on the shelf while I worked toward my
> ticket. I am now a
> freashly minted general.... and want to get it
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> blowing something out.
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2065. Re: [TS-520_820_530_830] RE:Glowing Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 13:05:58 UTC
From: Bill K0ZL
Topic: 1855 Message: 2065

Richard,
Sorry, I was quite busy restoring a Johnson Valiant...
that one is a pay job so I was quite pressed to get it
done!

I will look this up for you tonight.

I am sure that there is a low-value resistor somewhere
or perhaps (less likely) a choke in the line between
the bias supply pot and the tubes that has opened.

Another possibility is a stuck relay contact on the
T/R relay.

b

--- R Braddock <rbraddock@...> wrote:
> Bill,
>
> Were you ever able to find voltages that I should be
> looking for in reference to the glowing output
> tubes? The 830 is still on the bench, but I haven't
> really done anything else with it. Just to recap, I
> was able to verify that bias was at the pot and it
> does adjust. I just cannot find it on the PA board.
>
> Thanks
>
> Richard AE4BP(formerly KI4BFC)
>
> [Non-text portions of this message have been
> removed]
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>

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"If in doubt, MODIFY" --k0zl

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2066. Antenna Tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 15:57:23 UTC
From: Bill Evans
Topic: 2066 Message: 2066

Operating on 160M adds another dimension of challenge for antenna tuners. Most of the high power tuners just can't handle any power into many 160M antennas, like a long wire, inverted L, tee or even dipoles - all cut for the 160 M band.

They start to arc and spit at about 200 Watts - and/or won't tune some or all of the band.

Only tuner that I've found to be satisfactory on 160M - and it will handle 1500 W PEP - is the Ameritron ATR-30. You pay for what you get!

Bill Evans VE4UD

2067. Re: thanks for your input

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 17:16:53 UTC
From: pchapman9202003
Topic: 2059 Message: 2067

as rock bound novices, we would buy our crystals dependant on what three times 7.0xx would be if I remember correctly

--- In TS-520_820_530_830@yahoogroups.com, "Dale Cole" <k9ttt@e...> wrote:
>
> Jeff;
> I think your 40m antenna will surprise you on 15 as well. Many of us old
> timers used one antenna for both. (we did not have privileges on 20 and 10)
> Dale K9TTT
>
> -------Original Message-------
>
> From: TS-520_820_530_830@yahoogroups.com
> Date: 07/10/04 17:54:42
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] thanks for your input
>
> All,
>
> Thanks for your input regarding my 40m antenna question. I''ve been
> operating 20, 15, and 10 with an MFJ Magnetic Loop for 10-30 MHz. I really
> want to get into 40m, so I just need the one dipole to cover that band, as
> the others I like are covered by the loop. Thanks again for your
> hints. FYI - HOA restrictions forced me to get the MFJ loop, but I've had
> no problems with it. I recommend it.
>
> Jeff
>
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> [Non-text portions of this message have been removed]

2068. RE: [TS-520_820_530_830] Antenna Tuners

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 07:58:37 UTC
From: Bill
Topic: 2066 Message: 2068

Absolutely correct. The only tuner I found that will not arc over on
160
is the ATR-30. Any other so called 3kw or 5kw tuner arced over event
into
a resonant antenna on 160. The ATR-30 took 2kw of input power without a
hiccup. It is the best (and biggest) tuner I have ever used.

K2WH

-----Original Message-----
From: Bill Evans [mailto:bevans@...]
Sent: Sunday, July 11, 2004 21:57 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Antenna Tuners

Operating on 160M adds another dimension of challenge for antenna
tuners. Most of the high power tuners just can't handle any power into
many 160M antennas, like a long wire, inverted L, tee or even dipoles -
all cut for the 160 M band.

They start to arc and spit at about 200 Watts - and/or won't tune some
or all of the band.

Only tuner that I've found to be satisfactory on 160M - and
it will handle 1500 W PEP - is the Ameritron ATR-30. You
pay for what you get!

Bill Evans VE4UD

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2069. Intermittant transmission on SSB with TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 19:18:31 UTC
From: rdl014
Topic: 2069 Message: 2069

On one of my TS-830S Kenwood's everything appears to be working fine and when I try to transmit the next time, I can hear the relay, but I get no output. I am using a MC-50 mic. I can continue to press and release the PTT bar and I can hear the relay and then after a few tries, it again transmits. It seems to do this after the rig has been on a while as I do not have this problem when I first start. Do I need to clean the relay contacts and if so, exactly where are they? I do get full out put of over 100 watts so I do not feel it is the transmit section. TNX and 73, Ray AK4RL

2070. Re: [TS-520_820_530_830] ts-520s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 19:39:27 UTC
From: Dale Cole
Topic: 2063 Message: 2070

John;
If the rig has been setting for awhile it is possible the cap's are a little dry and could cause you some headaches when fired up. There is a divice out there that allows you to feed a low voltage into the rig and gradually bring the caps up to full operating power. I don't remember the name of the silly thing, but I used one on my SB 200 amp which had been sitting about two years with no activity. It took about 4-5 hours before I was up to full power (110 volts), but the filter caps are expensive. See if you can find one in your local club. Some "Elmer" may have one and be glad to loan it to you and maybe even come over and help you. Welcome to HF !
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 07/11/04 08:53:41
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ts-520s

I purchased a clean TS-520s. Can some of you guys advise me the best things to do to check this unit out? I had heard that there are capacitors in the high voltage area that are typically suspect in these older units?

I was told this radio was working about 1 1/2 years ago. Since then it has been on the shelf while I worked toward my ticket. I am now a freashly minted general.... and want to get it running without blowing something out.

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[Non-text portions of this message have been removed]

2071. Re: [TS-520_820_530_830] Intermittant transmission on SSB with TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 19:41:16 UTC
From: Bill K0ZL
Topic: 2069 Message: 2071

Carefully rock the bandswitch just a bit next time it
cuts out, see if the tx power comes back.

b

--- rdl014 <rdl014@...> wrote:
> On one of my TS-830S Kenwood's everything appears to
> be working fine
> and when I try to transmit the next time, I can hear
> the relay, but
> I get no output. I am using a MC-50 mic. I can
> continue to press
> and release the PTT bar and I can hear the relay and
> then after a
> few tries, it again transmits. It seems to do this
> after the rig
> has been on a while as I do not have this problem
> when I first
> start. Do I need to clean the relay contacts and if
> so, exactly
> where are they? I do get full out put of over 100
> watts so I do not
> feel it is the transmit section. TNX and 73, Ray
> AK4RL
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2072. Re: Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-11 23:59:04 UTC
From: irjack2004
Topic: 1992 Message: 2072

OK, here's where we are so far:

I tried pulling out the driver tube, and the self-oscillation continued. Then, following a suggestion by a friend, I took the plate cap off of one of the finals. The remaining tube was a little difficult to tune up -- had to turn the Load control fully CCW, but it neutralized with no trouble. It tuned a little easier then, and I idled it for about 20 minutes with no sign of any oscillation. Just to satisfy my curiosity, then, I switched tubes. The other one gave less trouble with its initial tune up, but I had to back the Bias off to get the correct idling current (30 ma. for one tube). This tube neutralized just fine and it did not oscillate either. They just don't seem to want to work together. Any ideas other than operating at half power? By the way, how efficient is that final? About what should I estimate the power output to be?

73,
Jack
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> When this occurs, reach in there and remove the driver
> tube, see what happens.
>
> You can take the driver shield off ahead of time to
> make the task easier.
>
> Usually it's the driver that's oscillating.
>
> b
>
>
> --- irjack2004 <irjack2004@y...> wrote:
> > Hi Folks,
> >
> > I am Jack Sumner, KC5DHD. I have owned a TS-520
> > since the mid
> > 1970's, and it has sat in its carton for about the
> > last 20 years.
> > Getting it out a couple of years ago, I found
> > everything fine except
> > that the tubes had gassed. I replced the tubes with
> > new ones, a
> > matched pair of 6146B's and a 6BY12. Everything is
> > fine now, except
> > that I cannot get the finals to neutralize!

> >
> > What I have done so far is this: I am using a
> > Micronta (Radioshack)
> > FETVM equipped with an RF probe that I built from a
> > design in the
> > ARRL Handbook. Following the instructions in the
> > Kenwood owner's
> > manual, I adjusted the neutralizaing capacitor until
> > there is no
> > deflection on the FETVM. The plate current dip and
> > RF output peak
> > are almost on top of each other, but the finals
> > still self-
> > oscillate. I have minimized the rate of
> > self-oscillation, as
> > evidenced by the time it takes for the plate idling
> > current to creep
> > up noticably, but nothing I have tried has
> > eliminated it altogether.
> >
> > I will welcome any recommendations you have.
> >
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2073. Re:Warc bands for TS-520_820_530_830 ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 02:33:34 UTC
From: Budd Turner : N7EOJ
Topic: 2033 Message: 2073

If you haven't found it yet, I have hard copy of the TS-820 conversion article.
If someone has a scanner I can send it to you to scan and upload the file.
Budd Turner : N7EOJ
Tucson, AZ

TS-520_820_530_830@yahoogroups.com wrote:
From: "donii@..."
Subject: Warc bands for TS-520_820_530_830 ??

Inrad made a WARC kit to get the 3 'new' WARC bands with the FT-101.
Does anyone have knowledge of some thing similar for the
TS-520_820_530_830 line.? I think it can be done with the TS-530,830 but
I have an 820.....
Has anyone ever added bands to the 520/820?
73's
VE2FAR
Peter

Message: 8
Date: Wed, 7 Jul 2004 12:13:31 -0700 (PDT)
From: Mike kd8q
Subject: Re: Warc bands for TS-520_820_530_830 ??

Hey Peter,
There is an ARRL article that tells of how to add the WARC bands to the 820. Maybe someone on the reflector has a copy they can upload? I have an 820 also and was looking for this article right up untill I found a great deal on a 930SAT.

From: Mike kd8q
Subject: Re: Warc bands for TS-520_820_530_830 ??

Hey Peter,
To follow up. The articles were in Feb 1983, Nov 1983 and Jan 1984 QST. The first deals with the Mods. The second with feedback on the first and the Jan 1984 article says technical correspondence! Hope this helps

Mike kd8q

I don't approve of political jokes. I've seen too many of them get elected.

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[Non-text portions of this message have been removed]

2074. Re: [TS-520_820_530_830] Re: Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 12:20:19 UTC
From: Bill K0ZL
Topic: 1992 Message: 2074

With a good set of tubes you should be seeing from 240
to 280 ma for 100-125 watts of carrier output.

Do the tube manuf's match?

You can buy a re-tube set (driver and two finals) off
ebay for about $65 or 70 bux... some good sellers
there.

Save the old tubes, they may work fine in another rig.

b

--- irjack2004 <irjack2004@...> wrote:
> OK, here's where we are so far:
>
> I tried pulling out the driver tube, and the
> self-oscillation
> continued. Then, following a suggestion by a
> friend, I took the
> plate cap off of one of the finals. The remaining
> tube was a little
> difficult to tune up -- had to turn the Load control
> fully CCW, but
> it neutralized with no trouble. It tuned a little
> easier then, and I
> idled it for about 20 minutes with no sign of any
> oscillation. Just
> to satisfy my curiosity, then, I switched tubes.
> The other one gave
> less trouble with its initial tune up, but I had to
> back the Bias off
> to get the correct idling current (30 ma. for one
> tube). This tube
> neutralized just fine and it did not oscillate
> either. They just
> don't seem to want to work together. Any ideas
> other than operating
> at half power? By the way, how efficient is that
> final? About what
> should I estimate the power output to be?
>
> 73,
> Jack
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>

> wrote:
> > When this occurs, reach in there and remove the
> driver
> > tube, see what happens.
> >
> > You can take the driver shield off ahead of time
> to
> > make the task easier.
> >
> > Usually it's the driver that's oscillating.
> >
> > b
> >
> >
> > --- irjack2004 <irjack2004@y...> wrote:
> > > Hi Folks,
> > >
> > > I am Jack Sumner, KC5DHD. I have owned a TS-520
> > > since the mid
> > > 1970's, and it has sat in its carton for about
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> > > Getting it out a couple of years ago, I found
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> > > that the tubes had gassed. I replced the tubes
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> > > up noticably, but nothing I have tried has
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> > >
> > > I will welcome any recommendations you have.
> > >
> > >
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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2075. Re: Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 17:26:07 UTC
From: irjack2004
Topic: 1992 Message: 2075

Thanks for the info, Bill.

The tube manuf's do match. I bought them as a matched pair from RFParts. I do not recognize the logo on them, though -- a great big capital G with a squiggly line running through it. Does that sound like a logo that you are familiar with?

73,
Jack
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> With a good set of tubes you should be seeing from 240
> to 280 ma for 100-125 watts of carrier output.
>
> Do the tube manuf's match?
>
> You can buy a re-tube set (driver and two finals) off
> ebay for about $65 or 70 bux... some good sellers
> there.
>
> Save the old tubes, they may work fine in another rig.
>
> b
>
>
> --- irjack2004 <irjack2004@y...> wrote:
> > OK, here's where we are so far:
> >
> > I tried pulling out the driver tube, and the
> > self-oscillation
> > continued. Then, following a suggestion by a
> > friend, I took the
> > plate cap off of one of the finals. The remaining
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> > The other one gave
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> > to get the correct idling current (30 ma. for one

> > tube). This tube
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> > other than operating
> > at half power? By the way, how efficient is that
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> > Jack
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> > > Usually it's the driver that's oscillating.
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> > > > that the tubes had gassed. I replced the tubes
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> > > > "If in doubt, MODIFY" --k0zl
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2076. Re: [TS-520_820_530_830] Re: Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 19:36:52 UTC
From: Bill K0ZL
Topic: 1992 Message: 2076

That would be the new Russian company spun off from
Svetlana, they couldn't use the Svetlana logo. I
think.

Anyway if you can find another pair of tubes to try,
that would prove that it's an incompatible tube. It
does happen once in a while, I just hate for it to be
on our nickle, hi!

b

--- irjack2004 <irjack2004@...> wrote:
> Thanks for the info, Bill.
>
> The tube manuf's do match. I bought them as a
> matched pair from
> RFParts. I do not recognize the logo on them,
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> > > > --- irjack2004 <irjack2004@y...> wrote:
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"If in doubt, MODIFY" --k0zl

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2077. Re: Finals will not neutralize Just how good are Svetlana and Russian tubes ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 21:30:49 UTC
From: donii@sympatico.ca
Topic: 2077 Message: 2077

The subject line says it all. I've read a few posts that cite problems with stability and parasetics pronlems with foreign tubes.. I have a FL 2000 that I would like to retube but I'm afraid..... I sure would not want to 'test' these tubes in my beloved TS-820....this my 'Baby' among my 7 boatanchors!
Anybody have firsthand experience with these tubes?
What about the Chinese 6146's...I've heard things not soo good.
I think that I'll go the 6883 route . I don't mind modifying the transceiver a bit.....after all I bought it to transmit not to sit in a 'Collection' . My wife uses her antique furniture in the house ....I use my boatanchors or they won't stay here. I'm not running a museum. Those electron have to move in my shack!
73's
VE2FAR
Peter

2078. Kenwood TS-830S Gold Logo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-12 21:47:07 UTC
From: Railey W Macey III
Topic: 2078 Message: 2078

Anyone know where I can find difference between a TS-830S and
a "GOLD Logo" TS-830S?

Thanks

2079. Re: [TS-520_820_530_830] Kenwood TS-830S Gold Logo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 00:12:39 UTC
From: Alan Wolke
Topic: 2078 Message: 2079

The only difference is a little gold paint - that's it! Really!

Alan - W2AEW

Railey W Macey III wrote:

> Anyone know where I can find difference between a TS-830S and
> a "GOLD Logo" TS-830S?
>
> Thanks
>
>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
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> Service.
>
--
Alan Wolke, W2AEW
"i usta cuDn't speL enjinere, noW i ar wuN"

2080. Re: [TS-520_820_530_830] Kenwood TS-830S Gold Logo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 00:26:43 UTC
From: Peter A Markavage
Topic: 2078 Message: 2080

Zero difference. Don't ever spend "extra" money for one. Check the
Kenwood archives on QSL.net. We beat this one to death several times.

Pete, wa2cwa

On Mon, 12 Jul 2004 21:47:07 -0000 "Railey W Macey III"
<rmacey@...> writes:
Anyone know where I can find difference between a TS-830S and
a "GOLD Logo" TS-830S?

[Non-text portions of this message have been removed]

2081. [TS-520_820_530_830] Kenwood TS-830S Gold Logo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 00:28:53 UTC
From: donii@sympatico.ca
Topic: 2078 Message: 2081

Apparently its just that the 'difference', the glod logo!

2082. Re: [TS-520_820_530_830] Kenwood TS-830S Gold Logo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 01:21:19 UTC
From: Mike Kelly
Topic: 2078 Message: 2082

Other than the "Gold" below the VFO knob, there is no difference. In fact there are more of the gold series in the world than the TS 830S. Makes you wonder why the prices for the gold series is higher on the for sale boards. Must be the magic of the word. GOLD.

73, Mike KB3LAU

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[Non-text portions of this message have been removed]

2083. Re: Finals will not neutralize

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 13:18:26 UTC
From: james27613
Topic: 1992 Message: 2083

Gulag ???

Sorry, could not help myself !

A good source for GE JAN tubes is

http://www.surplussales.com/Tubes-Sock-Acc/TubeSpecials.html

Driver and 6126b and w series by General Electric USA Made

73 james

> I do not recognize the logo on them, though -- a great big
> capital G with a squiggly line running through it.
> Does that sound like a logo that you are familiar with?

2084. Re: Finals will not neutralize....Svetlana and Russian tubes ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 13:24:50 UTC
From: james27613
Topic: 2077 Message: 2084

Hi,

Consider GE USA made tubes before you try 6883 tubes,

http://www.surplussales.com/Tubes-Sock-Acc/TubeSpecials.html

He ships worldwide.

73 James

> The subject line says it all. I've read a few posts that cite
problems
> with stability and parasetics pronlems with foreign tubes.. I have
a FL
> 2000 that I would like to retube but I'm afraid..... I sure would
not
> want to 'test' these tubes in my beloved TS-820....this my 'Baby'
among
> my 7 boatanchors!
> Anybody have firsthand experience with these tubes?
> What about the Chinese 6146's...I've heard things not soo good.
> I think that I'll go the 6883 route . I don't mind modifying the
> transceiver a bit.....after all I bought it to transmit not to sit
in a
> 'Collection' . My wife uses her antique furniture in the
house I
> use my boatanchors or they won't stay here. I'm not running a
museum.
> Those electron have to move in my shack!
> 73's
> VE2FAR
> Peter

2085. Re: Finals will not neutralize....Svetlana and Russian tubes ??---- before you try 6883 tubes,

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 15:44:43 UTC
From: donii@sympatico.ca
Topic: 2085 Message: 2085

73 James wrote:

<< Consider GE USA made tubes before you try 6883 tubes.....try Surplussales... >>

James its a question of economics..... I'm sure that Surplus sales tubes are good but shipped and in Can dollars (over $120) those tubes will cost more than the TS 820s they will go into. I can get 6883's here for much less and they are the same tube with only heater voltages being 12v. Actaully the would have to be 6883B's to be exact if I want full power ouput.
But I really would rather have U.S. made 6146B's in there.
73's
VE2FAR
Peter

2086. ts 820 WARC bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-13 20:49:57 UTC
From: pchapman9202003
Topic: 2086 Message: 2086

I think it was this group, not the repair group where there was chat about WARC bands on the 820. Here is a link with some corrections to the QST article from 1983.

http://hjem.get2net.dk/ole_nykjaer/oz2oe/ts820/ts820.html

2087. Small Freq issue TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-14 05:15:21 UTC
From: pchapman9202003
Topic: 2087 Message: 2087

Typical Qso's I seem to be off very slightly. I mean very slightly. RIT can more than take care of the issue, we are talking .1 to .2 on the digital meter at worst case. I notice just about that much fluctuation when I key up the mic or activate the vox on the digital readout.

Suggestions? or just leave a rig that works well otherwise alone?

Easy fix or bad fix?

2088. Re: [TS-520_820_530_830] Small Freq issue TS-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-14 13:28:12 UTC
From: Bill K0ZL
Topic: 2087 Message: 2088

Ignoring your readout... when you get someone tuned in
for most natural sound, are they complaining that you
are off?

This is a different problem than the display being off
from net announced frequency for instance.

One is a "convergence" issue; the other is simple
calibration of the counter.

bill

--- pchapman9202003 <p_chap@...> wrote:
> Typical Qso's I seem to be off very slightly. I mean
> very slightly.
> RIT can more than take care of the issue, we are
> talking .1 to .2 on
> the digital meter at worst case. I notice just about
> that much
> fluctuation when I key up the mic or activate the
> vox on the digital
> readout.
>
> Suggestions? or just leave a rig that works well
> otherwise alone?
>
> Easy fix or bad fix?
>
>

=====

"If in doubt, MODIFY" --k0zl

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2089. Re: ts 820 WARC bands

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-14 14:49:43 UTC
From: Greg
Topic: 2086 Message: 2089

Once again, in case you missed it in my last post; the full files for the TS-820s WARC mod are on the RUBE FTP site. You MUST join the Yahoo HAMFTP group to get info on how to get on to the RUBE file server. It is very easy, but you have to read the files section on how to do it.

If you dont want to go through the Yahoo HAMFTP group, to "borrow" my WARC mod copy, then I cant send them to you by mail..... but it will take a long time for me to get to it. And you will have to "contribute" for the re-scanning and PDF file work I will have to re-do.

Therefore, I recommend joining the yahoo HAMFTP group if possible...well worth it! I WILL NOT include the direct link to the download site here, as you should become a member first. (if Bill wishes to post it in a new posting, that is up to him). I checked and the WARC mod for the TS820-s is still there under the Kenwood section! (As well as some other tech notes)
73
Greg

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003" <p_chap@b...> wrote:
> I think it was this group, not the repair group where there was chat
> about WARC bands on the 820. Here is a link with some corrections to
> the QST article from 1983.
>
> http://hjem.get2net.dk/ole_nykjaer/oz2oe/ts820/ts820.html

2090. New TS820 Owner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 03:09:47 UTC
From: KABOONA
Topic: 2090 Message: 2090

Hello, I just picked up a nice looking TS-820. I have not yet been able to test it in transmit mode since I only have a tech ticket but have been having a lot of fun listening with it. It seems to be a superb receiver. I only have one of those window HF antennas and so far I am listening to more stuff than with my FT-897. I do have a question tough, I understand that this radio has the capability of having crystals added. Is it possible to add crystals for MARS frequencies and use those in the AUX channel?

Any help is appreciated.

regards

Jim

2091. TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 05:52:48 UTC
From: dynamic881964@yahoo.com
Topic: 2091 Message: 2091

Hi all,
Fairly new ham here, still a tech but have passed my written for General, now learning the code and hope to pass it soon. In anticipation of that, I purchased a TS-520S, with the DG5 digital display, and Kenwood Desk mic. Also got the owners manual, and service manual. I did have to install a set of finals as the output was only about 10 - 20 watts.Also installed a new driver since I was changing the finals. Had no problems doing that, and with a General ham here,got them neutralized and it seems to tune up fine.
Any quirks about this rig I should know about ? I am using it with a G5RV, recieve is excellent on all bands so far. Should I use an antenna tuner or is it not needed.
Thanks, 73 !
Dave, KC8YOX

2092. 830s bias supply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 11:27:09 UTC
From: R Braddock
Topic: 2092 Message: 2092

Bill,
Have you been able to find anything on tracing the bias supply or voltage readings for the output board?

Thanks,

Richard AE4BP

o

2093. Re: [TS-520_820_530_830] New TS820 Owner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 12:36:13 UTC
From: Bill K0ZL
Topic: 2090 Message: 2093

Yes, you can use the FIX channels for Mars operation.

Not sure if the book gives the formula or not but you
should be able to call International Crystal and they
can make them for you.

Why not just put the mod in the 897 and use it for
Mars?

b

--- KABOONA <kaboona@...> wrote:
> Hello, I just picked up a nice looking TS-820. I
> have not yet been
> able to test it in transmit mode since I only have a
> tech ticket but
> have been having a lot of fun listening with it. It
> seems to be a
> superb receiver. I only have one of those window HF
> antennas and so
> far I am listening to more stuff than with my
> FT-897. I do have a
> question tough, I understand that this radio has the
> capability of
> having crystals added. Is it possible to add
> crystals for MARS
> frequencies and use those in the AUX channel?
>
> Any help is appreciated.
>
> regards
>
> Jim
>
>

=====

"If in doubt, MODIFY" --k0zl

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2094. Re: [TS-520_820_530_830] TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 12:39:20 UTC
From: Bill K0ZL
Topic: 2091 Message: 2094

Hi Dave,

Nope, you are ready to go.

The rig will work fine with the G5rv, just tune for max RF out. If the SWR is too high on any band, the rig will let you know; either the LOAD control will be at one end or the other and you won't be able to get max output (always check plate dip in this case; if it's 10 to 20 percent dip in current at resonance, you can still operate the rig) or you will hear some arcing as you tune up.

You will not need a tuner unless this happens.

b

--- dynamic881964@... wrote:
> Hi all,
> Fairly new ham here, still a tech but have passed my
> written for
> General, now learning the code and hope to pass it
> soon. In
> anticipation of that, I purchased a TS-520S, with
> the DG5 digital
> display, and Kenwood Desk mic. Also got the owners
> manual, and
> service manual. I did have to install a set of
> finals as the output
> was only about 10 - 20 watts.Also installed a new
> driver since I was
> changing the finals. Had no problems doing that, and
> with a General
> ham here,got them neutralized and it seems to tune
> up fine.
> Any quirks about this rig I should know about ? I
> am using it with a
> G5RV, recieve is excellent on all bands so far.
> Should I use an
> antenna tuner or is it not needed.
> Thanks, 73 !
> Dave, KC8YOX
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2095. Re: [TS-520_820_530_830] 830s bias supply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 12:40:54 UTC
From: Bill K0ZL
Topic: 2092 Message: 2095

In receive mode, you should see -65 to -110 volts on
the SG terminal on the PA tube circuit board.

Let me know what it is.

bill

--- R Braddock <rbraddock@...> wrote:
> Bill,
> Have you been able to find anything on tracing the
> bias supply or voltage readings for the output
> board?
>
> Thanks,
>
> Richard AE4BP
>
> o
>

=====

"If in doubt, MODIFY" --k0zl

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2096. Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 19:07:07 UTC
From: pchapman9202003
Topic: 2091 Message: 2096

If you can lean on your General friend, tell him to come see me! I need stuff done!

Seriously, if he has an SWR meter have him bring it over and put it in line with your antenna. While I agree with Bill on the antenna, I have a G5RV, they are not all built the same and the physical placement affects the swr as well. Mine does not resonate anywhere under 2:1 without a tuner.

--- In TS-520_820_530_830@yahoogroups.com, dynamic881964@y... wrote:
> Hi all,
> Fairly new ham here, still a tech but have passed my written for
> General, now learning the code and hope to pass it soon. In
> anticipation of that, I purchased a TS-520S, with the DG5 digital
> display, and Kenwood Desk mic. Also got the owners manual, and
> service manual. I did have to install a set of finals as the
output
> was only about 10 - 20 watts.Also installed a new driver since I
was
> changing the finals. Had no problems doing that, and with a
General
> ham here,got them neutralized and it seems to tune up fine.
> Any quirks about this rig I should know about ? I am using it
with a
> G5RV, recieve is excellent on all bands so far. Should I use an
> antenna tuner or is it not needed.
> Thanks, 73 !
> Dave, KC8YOX

2097. Re: [TS-520_820_530_830] Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 19:46:38 UTC
From: w3iz@comcast.net
Topic: 2091 Message: 2097

The G5RV is a 3/2 wave antenna for 20m and should resonate on 20m without a problem With a tuner it should work on all bands.
I have always questioned why a lot of hams use this antenna? Is it because it's short? (102 ft) Because you use coax to get to the shack?
Personally I would recommend a 135 ft dipole or longer if you got the room feed it with 450 ohm twin lead and a tuner. It'll play anywhere.
Norm, W3IZ

---------- Original message ----------
Seriously, if he has an SWR meter have him bring it over and put it
in line with your antenna. While I agree with Bill on the antenna, I
have a G5RV, they are not all built the same and the physical
placement affects the swr as well. Mine does not resonate anywhere
under 2:1 without a tuner.

--- In TS-520_820_530_830@yahoogroups.com, dynamic881964@y... wrote:
> Hi all,
> Fairly new ham here, still a tech but have passed my written for
> General, now learning the code and hope to pass it soon. In
> anticipation of that, I purchased a TS-520S, with the DG5 digital
> display, and Kenwood Desk mic. Also got the owners manual, and
> service manual. I did have to install a set of finals as the
output
> was only about 10 - 20 watts.Also installed a new driver since I
was
> changing the finals. Had no problems doing that, and with a
General
> ham here,got them neutralized and it seems to tune up fine.
> Any quirks about this rig I should know about ? I am using it
with a
> G5RV, recieve is excellent on all bands so far. Should I use an
> antenna tuner or is it not needed.
> Thanks, 73 !
> Dave, KC8YOX

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[Non-text portions of this message have been removed]

2098. Re: [TS-520_820_530_830] 830s bias supply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-15 12:58:26 UTC
From: R Braddock
Topic: 2092 Message: 2098

Wow! I just checked it at -253VDC. That is with no tubes in.

Richard AE4BP
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, July 15, 2004 8:40 AM
Subject: Re: [TS-520_820_530_830] 830s bias supply

In receive mode, you should see -65 to -110 volts on
the SG terminal on the PA tube circuit board.

Let me know what it is.

bill

--- R Braddock <rbraddock@...> wrote:
> Bill,
> Have you been able to find anything on tracing the
> bias supply or voltage readings for the output
> board?
>
> Thanks,
>
> Richard AE4BP
>
> o
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2099. Re: Finals will not neutralize Just how good are Svetlana and Russian tubes ??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 02:29:22 UTC
From: irjack2004
Topic: 2077 Message: 2099

Peter, I could not agree with you more ☐ those rigs were made to be used, not looked at. My TS-520 is `my baby' too. It was my first `adult' rig after I got my Advanced ticket back around 1975 (I had been using an HW-16 before then). Before I put it away and became inactive for about 20 years, my TS-520 gave me several years of very good hamming experience.

Bill, and all, thanks for your help. I'm only getting about 10 watts out of either one of my finals so I will be re-tubing my TS-520 as soon as I can. Those 6146B's are marked `Made in China.' However, I have to confess that I may have trashed those tubes myself. When I first got them a couple or three years ago, I was so eager to get back on the air that I did not take the time to do things right. Instead of getting hold of an RF volt meter and following the procedure I tried to guess at neutralizing the finals -- tweaking the neutralizing capacitor until I got the Output Power peak together with the Plate Current dip. Instead of a proper antenna I just threw about 50 feet of wire into a tree and tried to end-feed it through a Versa Tuner II against a ground that consisted of a wire connected to my backyard spigot. (I knew better, I don't know what got into me!) After blowing two fuses I realized that the finals were self-oscillating and that convinced me to shut the operation down and do my homework. So I guess the final line on this episode will be "Lesson learned ☐ you can't cut corners!"

73,
KC5DHD
Jack
--- In TS-520_820_530_830@yahoogroups.com, "donii@s..." <donii@s...>
wrote:
> The subject line says it all. I've read a few posts that cite
problems
> with stability and parasetics pronlems with foreign tubes.. I have
a FL
> 2000 that I would like to retube but I'm afraid..... I sure would
not
> want to 'test' these tubes in my beloved TS-820....this my 'Baby'
among
> my 7 boatanchors!
> Anybody have firsthand experience with these tubes?
> What about the Chinese 6146's...I've heard things not soo good.
> I think that I'll go the 6883 route . I don't mind modifying the
> transceiver a bit.....after all I bought it to transmit not to sit
in a

> 'Collection' . My wife uses her antique furniture in the
house I
> use my boatanchors or they won't stay here. I'm not running a
museum.
> Those electron have to move in my shack!
> 73's
> VE2FAR
> Peter

2100. Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 02:48:24 UTC
From: dynamic881964@yahoo.com
Topic: 2091 Message: 2100

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:HI,
Thanks for your reply.
We did check the swr with a meter, and it was as follows (all in
about the center of each band)
160m 2:1
80m 2:1
40m 1.5:1
20m 1.3:1
15m 1.2:1
10m 1.1:1
did not experience any arcing, but don't want to chance it either.
The rig showed outputs at the antenna connector into a dummy load, of
between 80 and 200 watts depending on which band we were on. Does
that sound right ?
Also... someone else told me that to run AM you can insert some
carrier into the SSB signal for a sort of "pseudo AM " though I
question this. Seems like if this rig ran AM it would say so in the
manual , and have a place to choose this mode so don't think I will
try that.
> Hi Dave,
>
> Nope, you are ready to go.
>
> The rig will work fine with the G5rv, just tune for
> max RF out. If the SWR is too high on any band, the
> rig will let you know; either the LOAD control will be
> at one end or the other and you won't be able to get
> max output (always check plate dip in this case; if
> it's 10 to 20 percent dip in current at resonance, you
> can still operate the rig) or you will hear some
> arcing as you tune up.
>
> You will not need a tuner unless this happens.
>
> b
>
> --- dynamic881964@y... wrote:
> > Hi all,
> > Fairly new ham here, still a tech but have passed my
> > written for
> > General, now learning the code and hope to pass it
> > soon. In
> > anticipation of that, I purchased a TS-520S, with
> > the DG5 digital

> > display, and Kenwood Desk mic. Also got the owners
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> > service manual. I did have to install a set of
> > finals as the output
> > was only about 10 - 20 watts.Also installed a new
> > driver since I was
> > changing the finals. Had no problems doing that, and
> > with a General
> > ham here,got them neutralized and it seems to tune
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> > Any quirks about this rig I should know about ? I
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> > G5RV, recieve is excellent on all bands so far.
> > Should I use an
> > antenna tuner or is it not needed.
> > Thanks, 73 !
> > Dave, KC8YOX
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2101. Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 02:51:06 UTC
From: dynamic881964@yahoo.com
Topic: 2091 Message: 2101

--- In TS-520_820_530_830@yahoogroups.com,
Hi ,
First, Thank you for your reply ! It is appreciated !
We did check the swr, it ran between 1.1:1 and 2.2:1 depending on
which band we used.
He thought this would be okay, but now I am wondering. Perhaps I will
try a tuner. I know the lower the swr the better for the rig and I
hope to keep this one a long time.

"pchapman9202003" <p_chap@b...> wrote:
> If you can lean on your General friend, tell him to come see me! I
> need stuff done!
>
> Seriously, if he has an SWR meter have him bring it over and put it
> in line with your antenna. While I agree with Bill on the antenna,
I
> have a G5RV, they are not all built the same and the physical
> placement affects the swr as well. Mine does not resonate anywhere
> under 2:1 without a tuner.
>
>
> --- In TS-520_820_530_830@yahoogroups.com, dynamic881964@y... wrote:
> > Hi all,
> > Fairly new ham here, still a tech but have passed my written for
> > General, now learning the code and hope to pass it soon. In
> > anticipation of that, I purchased a TS-520S, with the DG5 digital
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> > was only about 10 - 20 watts.Also installed a new driver since I
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> > ham here,got them neutralized and it seems to tune up fine.
> > Any quirks about this rig I should know about ? I am using it
> with a
> > G5RV, recieve is excellent on all bands so far. Should I use an
> > antenna tuner or is it not needed.
> > Thanks, 73 !
> > Dave, KC8YOX

2102. Re: New TS820 Owner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 03:09:48 UTC
From: KABOONA
Topic: 2090 Message: 2102

Thanks for your message Bill. I would like to use the 897 in a more portable fashion. I already did the mod to it via software and can tune those frequencies but I would like to avoid the connecting and disconnecting. Iam so far loving the audion on this 820S so much that I would like to use it at home as my primary rig.

By the way, can I transmit using the fix channels?
Thanks again
Jim
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Yes, you can use the FIX channels for Mars operation.
>
> Not sure if the book gives the formula or not but you
> should be able to call International Crystal and they
> can make them for you.
>
> Why not just put the mod in the 897 and use it for
> Mars?
>
> b
>
>
> --- KABOONA <kaboona@y...> wrote:
> > Hello, I just picked up a nice looking TS-820. I
> > have not yet been
> > able to test it in transmit mode since I only have a
> > tech ticket but
> > have been having a lot of fun listening with it. It
> > seems to be a
> > superb receiver. I only have one of those window HF
> > antennas and so
> > far I am listening to more stuff than with my
> > FT-897. I do have a
> > question tough, I understand that this radio has the
> > capability of
> > having crystals added. Is it possible to add
> > crystals for MARS
> > frequencies and use those in the AUX channel?
> >
> > Any help is appreciated.
> >
> > regards
> >
> > Jim
> >
> >

>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
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> _____
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2103. Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 03:23:22 UTC
From: pchapman9202003
Topic: 2091 Message: 2103

It sounds like you are a very lucky person to have the influence of the person who is helping you out. Return the favor whenever possible, it will be appreciated. There are so many silent keys out there now, I always wished I could have returned some small favor that they never asked for..... There are so many that I still have the photo memory with a mic in their hand or their hand on the key that are not with us anymore.....and without them, I would never have had a license.....it is a great family!

--- In TS-520_820_530_830@yahoogroups.com, dynamic881964@y... wrote:
> --- In TS-520_820_530_830@yahoogroups.com,
> Hi ,
> First, Thank you for your reply ! It is appreciated !
> We did check the swr, it ran between 1.1:1 and 2.2:1 depending on
> which band we used.
> He thought this would be okay, but now I am wondering. Perhaps I
will
> try a tuner. I know the lower the swr the better for the rig and I
> hope to keep this one a long time.
>
> "pchapman9202003" <p_chap@b...> wrote:
> > If you can lean on your General friend, tell him to come see me!
I
> > need stuff done!
> >
> > Seriously, if he has an SWR meter have him bring it over and put
it
> > in line with your antenna. While I agree with Bill on the
antenna,
> I
> > have a G5RV, they are not all built the same and the physical
> > placement affects the swr as well. Mine does not resonate
anywhere
> > under 2:1 without a tuner.
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, dynamic881964@y...
wrote:
> > > Hi all,
> > > Fairly new ham here, still a tech but have passed my written
for
> > > General, now learning the code and hope to pass it soon. In
> > > anticipation of that, I purchased a TS-520S, with the DG5
digital
> > > display, and Kenwood Desk mic. Also got the owners manual, and

> > > service manual. I did have to install a set of finals as the
> > output
> > > was only about 10 - 20 watts.Also installed a new driver since
I
> > was
> > > changing the finals. Had no problems doing that, and with a
> > General
> > > ham here,got them neutralized and it seems to tune up fine.
> > > Any quirks about this rig I should know about ? I am using it
> > with a
> > > G5RV, recieve is excellent on all bands so far. Should I use
an
> > > antenna tuner or is it not needed.
> > > Thanks, 73 !
> > > Dave, KC8YOX

2104. Re: [TS-520_820_530_830] 830s bias supply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:09:02 UTC
From: Bill K0ZL
Topic: 2092 Message: 2104

What kind of meter are you using?

ON the rectifier unit, look for terminal marked C and
measure to ground. DC volts

Look for a terminal marked AC100

--- R Braddock <rbraddock@...> wrote:
> Wow! I just checked it at -253VDC. That is with no
> tubes in.
>
>
> Richard AE4BP
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, July 15, 2004 8:40 AM
> Subject: Re: [TS-520_820_530_830] 830s bias supply
>
>
> In receive mode, you should see -65 to -110 volts
> on
> the SG terminal on the PA tube circuit board.
>
> Let me know what it is.
>
> bill
>
> --- R Braddock <rbraddock@...> wrote:
> > Bill,
> > Have you been able to find anything on tracing
> the
> > bias supply or voltage readings for the output
> > board?
> >
> > Thanks,
> >
> > Richard AE4BP
> >
> > o
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl

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> Yahoo! Groups Links
> a.. To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
> [Non-text portions of this message have been
> removed]

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2105. Re: [TS-520_820_530_830] 830s bias supply

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:10:32 UTC
From: Bill K0ZL
Topic: 2092 Message: 2105

(to finish)

On the RECT unit measure terminal C to ground, DC
volts, should be about -110vdc

On the RECT unit measure AC100 terminal to ground,
should be about 100 VAC or so.

--- R Braddock <rbraddock@...> wrote:
> Wow! I just checked it at -253VDC. That is with no
> tubes in.
>
>
> Richard AE4BP
> ----- Original Message -----
> From: Bill K0ZL
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, July 15, 2004 8:40 AM
> Subject: Re: [TS-520_820_530_830] 830s bias supply
>
>
> In receive mode, you should see -65 to -110 volts
> on
> the SG terminal on the PA tube circuit board.
>
> Let me know what it is.
>
> bill
>
> --- R Braddock <rbraddock@...> wrote:
> > Bill,
> > Have you been able to find anything on tracing
> the
> > bias supply or voltage readings for the output
> > board?
> >
> > Thanks,
> >
> > Richard AE4BP
> >
> > o
> >
>
>
> =====
>

> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website
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> _____
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> Yahoo! Groups Links
>
> a.. To visit your group on the web, go to:
>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
>
>
>
> [Non-text portions of this message have been
> removed]
>
>

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"If in doubt, MODIFY" --k0zl

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2106. Re: [TS-520_820_530_830] Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:12:30 UTC
From: Bill K0ZL
Topic: 2091 Message: 2106

Tried 40/80 trap dipole with open wire line to shack;
too much RFI in and out of radios from computer,
broadband internet, 10/100 lan cables etc.

The G5rv in most cases can be tuned fine by tube
transmitters without a tuner. I will be putting one up
here for the AM station, using a Johnson Valiant.
Should not care about 2:1 or even 3:1.
b

--- w3iz@... wrote:
> The G5RV is a 3/2 wave antenna for 20m and should
> resonate on 20m without a problem With a tuner it
> should work on all bands.
> I have always questioned why a lot of hams use this
> antenna? Is it because it's short? (102 ft)
> Because you use coax to get to the shack?
> Personally I would recommend a 135 ft dipole or
> longer if you got the room feed it with 450 ohm twin
> lead and a tuner. It'll play anywhere.
> Norm, W3IZ
>
> -------------- Original message --------------
> Seriously, if he has an SWR meter have him bring it
> over and put it
> in line with your antenna. While I agree with Bill
> on the antenna, I
> have a G5RV, they are not all built the same and the
> physical
> placement affects the swr as well. Mine does not
> resonate anywhere
> under 2:1 without a tuner.
>
>
> --- In TS-520_820_530_830@yahoogroups.com,
> dynamic881964@y... wrote:
> > Hi all,
> > Fairly new ham here, still a tech but have passed
> my written for
> > General, now learning the code and hope to pass it
> soon. In
> > anticipation of that, I purchased a TS-520S, with
> the DG5 digital
> > display, and Kenwood Desk mic. Also got the owners
> manual, and

> > service manual. I did have to install a set of
> finals as the
> output
> > was only about 10 - 20 watts.Also installed a new
> driver since I
> was
> > changing the finals. Had no problems doing that,
> and with a
> General
> > ham here,got them neutralized and it seems to tune
> up fine.
> > Any quirks about this rig I should know about ? I
> am using it
> with a
> > G5RV, recieve is excellent on all bands so far.
> Should I use an
> > antenna tuner or is it not needed.
> > Thanks, 73 !
> > Dave, KC8YOX
>
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>
>
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo!
> Terms of Service.
>
> [Non-text portions of this message have been
> removed]
>
>

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2107. Re: [TS-520_820_530_830] Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:23:57 UTC
From: Bill K0ZL
Topic: 2091 Message: 2107

Well 200 out is too high a reading.. they won't do
over 150 even with the high power mod (don't ask!)...

Don't trust your wattmeter if SWR is any higher than
1.5:1

Don't worry about the exact power output either, just
as long as you are making at least 100 on lower bands
and 80-90 on 10 meters, the rig and tubes are fine.

Good going on getting a good antenna up! You won't
need a tuner.

See you on the air!

73,

Bill K0ZL

--- dynamic881964@... wrote:
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:HI,
> Thanks for your reply.
> We did check the swr with a meter, and it was as
> follows (all in
> about the center of each band)
> 160m 2:1
> 80m 2:1
> 40m 1.5:1
> 20m 1.3:1
> 15m 1.2:1
> 10m 1.1:1
> did not experience any arcing, but don't want to
> chance it either.
> The rig showed outputs at the antenna connector into
> a dummy load, of
> between 80 and 200 watts depending on which band we
> were on. Does
> that sound right ?
> Also... someone else told me that to run AM you can
> insert some
> carrier into the SSB signal for a sort of "pseudo AM
> " though I
> question this. Seems like if this rig ran AM it
> would say so in the
> manual , and have a place to choose this mode so

> don't think I will
> try that.
> > Hi Dave,
> >
> > Nope, you are ready to go.
> >
> > The rig will work fine with the G5rv, just tune
> for
> > max RF out. If the SWR is too high on any band,
> the
> > rig will let you know; either the LOAD control
> will be
> > at one end or the other and you won't be able to
> get
> > max output (always check plate dip in this case;
> if
> > it's 10 to 20 percent dip in current at resonance,
> you
> > can still operate the rig) or you will hear some
> > arcing as you tune up.
> >
> > You will not need a tuner unless this happens.
> >
> > b
> >
> > --- dynamic881964@y... wrote:
> > > Hi all,
> > > Fairly new ham here, still a tech but have
> passed my
> > > written for
> > > General, now learning the code and hope to pass
> it
> > > soon. In
> > > anticipation of that, I purchased a TS-520S,
> with
> > > the DG5 digital
> > > display, and Kenwood Desk mic. Also got the
> owners
> > > manual, and
> > > service manual. I did have to install a set of
> > > finals as the output
> > > was only about 10 - 20 watts.Also installed a
> new
> > > driver since I was
> > > changing the finals. Had no problems doing that,
> and
> > > with a General
> > > ham here,got them neutralized and it seems to
> tune
> > > up fine.

> > > Any quirks about this rig I should know about ?
> I
> > > am using it with a
> > > G5RV, recieve is excellent on all bands so far.
> > > Should I use an
> > > antenna tuner or is it not needed.
> > > Thanks, 73 !
> > > Dave, KC8YOX
> > >
> > >
> > >
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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2108. Re: [TS-520_820_530_830] Re: New TS820 Owner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:26:32 UTC
From: Bill K0ZL
Topic: 2090 Message: 2108

Yes you can transmit on the fixed channels.

Remember, all the fix channel crystals do is take the
place of the VFO... If you can't get on a particular
band using the VFO, you can't do it with the fix
crystals, I don't believe.

So if you are looking for 4.5 mhz for Mars, you have
some more work to do.

bill

--- KABOONA <kaboona@...> wrote:
> Thanks for your message Bill. I would like to use
> the 897 in a more portable fashion. I
> already did the mod to it via software and can tune
> those frequencies but I would like to
> avoid the connecting and disconnecting. Iam so far
> loving the audion on this 820S so
> much that I would like to use it at home as my
> primary rig.
>
> By the way, can I transmit using the fix channels?
> Thanks again
> Jim
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > Yes, you can use the FIX channels for Mars
> operation.
> >
> > Not sure if the book gives the formula or not but
> you
> > should be able to call International Crystal and
> they
> > can make them for you.
> >
> > Why not just put the mod in the 897 and use it for
> > Mars?
> >
> > b
> >
> >
> > --- KABOONA <kaboona@y...> wrote:
> > > Hello, I just picked up a nice looking TS-820. I
> > > have not yet been
> > > able to test it in transmit mode since I only

> have a
> > > tech ticket but
> > > have been having a lot of fun listening with it.
> It
> > > seems to be a
> > > superb receiver. I only have one of those window
> HF
> > > antennas and so
> > > far I am listening to more stuff than with my
> > > FT-897. I do have a
> > > question tough, I understand that this radio has
> the
> > > capability of
> > > having crystals added. Is it possible to add
> > > crystals for MARS
> > > frequencies and use those in the AUX channel?
> > >
> > > Any help is appreciated.
> > >
> > > regards
> > >
> > > Jim
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
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2109. Re: [TS-520_820_530_830] Re: TS-520S New Ham, New owner. . .

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 13:28:19 UTC
From: Bill K0ZL
Topic: 2091 Message: 2109

For some of us, the reward is in heaven.

I would recommend spending the money on a CW keyer
rather than a tuner, if that is the only antenna you
are going to use.

Or a CW filter.

But that's just me.

Bill

--- pchapman9202003 <p_chap@...> wrote:
> It sounds like you are a very lucky person to have
> the influence of
> the person who is helping you out. Return the favor
> whenever
> possible, it will be appreciated. There are so many
> silent keys out
> there now, I always wished I could have returned
> some small favor
> that they never asked for..... There are so many
> that I still have
> the photo memory with a mic in their hand or their
> hand on the key
> that are not with us anymore.....and without them, I
> would never
> have had a license.....it is a great family!
>
> --- In TS-520_820_530_830@yahoogroups.com,
> dynamic881964@y... wrote:
> > --- In TS-520_820_530_830@yahoogroups.com,
> > Hi ,
> > First, Thank you for your reply ! It is
> appreciated !
> > We did check the swr, it ran between 1.1:1 and
> 2.2:1 depending on
> > which band we used.
> > He thought this would be okay, but now I am
> wondering. Perhaps I
> will
> > try a tuner. I know the lower the swr the better
> for the rig and I
> > hope to keep this one a long time.
> >
> > "pchapman9202003" <p_chap@b...> wrote:

> > > If you can lean on your General friend, tell him
> to come see me!
> I
> > > need stuff done!
> > >
> > > Seriously, if he has an SWR meter have him bring
> it over and put
> it
> > > in line with your antenna. While I agree with
> Bill on the
> antenna,
> > > I
> > > have a G5RV, they are not all built the same and
> the physical
> > > placement affects the swr as well. Mine does not
> resonate
> anywhere
> > > under 2:1 without a tuner.
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com,
> dynamic881964@y...
> wrote:
> > > > Hi all,
> > > > Fairly new ham here, still a tech but have
> passed my written
> for
> > > > General, now learning the code and hope to
> pass it soon. In
> > > > anticipation of that, I purchased a TS-520S,
> with the DG5
> digital
> > > > display, and Kenwood Desk mic. Also got the
> owners manual, and
> > > > service manual. I did have to install a set of
> finals as the
> > > output
> > > > was only about 10 - 20 watts.Also installed a
> new driver since
> I
> > > was
> > > > changing the finals. Had no problems doing
> that, and with a
> > > General
> > > > ham here,got them neutralized and it seems to
> tune up fine.
> > > > Any quirks about this rig I should know about
> ? I am using it
> > > with a
> > > > G5RV, recieve is excellent on all bands so

> far. Should I use
> an
> > > > antenna tuner or is it not needed.
> > > > Thanks, 73 !
> > > > Dave, KC8YOX
>
>

=====

"If in doubt, MODIFY" --k0zl

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2110. For trade

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 18:53:03 UTC
From: Charles D. Feigley Sr
Topic: 2110 Message: 2110

Hello,
I have the folowing I would like to trade:
1: Kenwood TS-520S transceiver.
2: Kenwood VFO-520S
3: Kenwood SP-520
4: Almost All Digital Electronics C-520 Digital Display
for the TS-520S. Reads to 5places past the dot.
Example 14.300.00 And shows what mode you are
in. Cost on this alone was $150.00
5: Shure 444 desk mic
6: 2 sets of matched 6146B finals NOS
7: 1 12BY7 driver NOS
8: 3 spare dial/s meter lamps
9: 11 sets of riser feet and screws
10: Autek Reasearch QF-1A SSB/AM/CW
audio filter
11: Various plugs, jacks, ect for the radio, vfo,and
speaker.
This is my present working station and everything
is working 100%.
Would like to trade for a Icom IC-718 with a hand mic
and power supply. Will consider trade for Icom IC-703
or SGC-2020 if I cannot find a sutable trade for a
718. I need to reduce the area my radio takes up on
my work bench.
Please reply offline.
Thank You,
Charlie W4CDF

2111. Re: For trade

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-16 20:32:22 UTC
From: pchapman9202003
Topic: 2110 Message: 2111

If you want more info on the 718, I uploaded the manual to Rube a couple of days ago, but it is still in the upload section.

--- In TS-520_820_530_830@yahoogroups.com, "Charles D. Feigley Sr" <w4cdf@e...> wrote:
> Hello,
> I have the folowing I would like to trade:
> 1: Kenwood TS-520S transceiver.
> 2: Kenwood VFO-520S
> 3: Kenwood SP-520
> 4: Almost All Digital Electronics C-520 Digital Display
> for the TS-520S. Reads to 5places past the dot.
> Example 14.300.00 And shows what mode you are
> in. Cost on this alone was $150.00
> 5: Shure 444 desk mic
> 6: 2 sets of matched 6146B finals NOS
> 7: 1 12BY7 driver NOS
> 8: 3 spare dial/s meter lamps
> 9: 11 sets of riser feet and screws
> 10: Autek Reasearch QF-1A SSB/AM/CW
> audio filter
> 11: Various plugs, jacks, ect for the radio, vfo,and
> speaker.
> This is my present working station and everything
> is working 100%.
> Would like to trade for a Icom IC-718 with a hand mic
> and power supply. Will consider trade for Icom IC-703
> or SGC-2020 if I cannot find a sutable trade for a
> 718. I need to reduce the area my radio takes up on
> my work bench.
> Please reply offline.
> Thank You,
> Charlie W4CDF

2112. Re: New TS820 Owner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-17 01:03:49 UTC
From: KABOONA
Topic: 2090 Message: 2112

Thanks again, that is what I feared. I will keep looking.
Regards,
Jim
--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Yes you can transmit on the fixed channels.
>
> Remember, all the fix channel crystals do is take the
> place of the VFO... If you can't get on a particular
> band using the VFO, you can't do it with the fix
> crystals, I don't believe.
>
> So if you are looking for 4.5 mhz for Mars, you have
> some more work to do.
>
> bill
>
>
> --- KABOONA <kaboona@y...> wrote:
> > Thanks for your message Bill. I would like to use
> > the 897 in a more portable fashion. I
> > already did the mod to it via software and can tune
> > those frequencies but I would like to
> > avoid the connecting and disconnecting. Iam so far
> > loving the audion on this 820S so
> > much that I would like to use it at home as my
> > primary rig.
> >
> > By the way, can I transmit using the fix channels?
> > Thanks again
> > Jim
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > <coorsbill@y...> wrote:
> > > Yes, you can use the FIX channels for Mars
> > operation.
> > >
> > > Not sure if the book gives the formula or not but
> > you
> > > should be able to call International Crystal and
> > they
> > > can make them for you.
> > >
> > > Why not just put the mod in the 897 and use it for
> > > Mars?
> > >

> > > b
> > >
> > >
> > > --- KABOONA <kaboona@y...> wrote:
> > > > Hello, I just picked up a nice looking TS-820. I
> > > > have not yet been
> > > > able to test it in transmit mode since I only
> > have a
> > > > tech ticket but
> > > > have been having a lot of fun listening with it.
> > It
> > > > seems to be a
> > > > superb receiver. I only have one of those window
> > HF
> > > > antennas and so
> > > > far I am listening to more stuff than with my
> > > > FT-897. I do have a
> > > > question tough, I understand that this radio has
> > the
> > > > capability of
> > > > having crystals added. Is it possible to add
> > > > crystals for MARS
> > > > frequencies and use those in the AUX channel?
> > > >
> > > > Any help is appreciated.
> > > >
> > > > regards
> > > >
> > > > Jim
> > > >
> > > >
> > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website
> > www.amateur-repairs.com
> > >
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> > > _____
> > > Do you Yahoo!?
> > > New and Improved Yahoo! Mail - Send 10MB messages!
> > > http://promotions.yahoo.com/new_mail
> >

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> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> Do you Yahoo!?
> New and Improved Yahoo! Mail - 100MB free storage!
> http://promotions.yahoo.com/new_mail

2113. TS-820's digital display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-17 18:25:11 UTC
From: nigel4416
Topic: 2113 Message: 2113

Does anyone know where I can get hold of the DG-1 display or a modern solution of building one. I am finding that the analogue dial is not accurate enough.
Please can anyone help me.
My QTH is the SW of the UK.
Cheers
Nigel

2114. Re: [TS-520_820_530_830] TS-820's digital display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 13:34:33 UTC
From: Kelly
Topic: 2113 Message: 2114

Ebay might net you one from time to time, or try
http://www.aade.com/
for one. He has both kits and assembled units for sale.

73
AB8SG

nigel4416 wrote:

>Does anyone know where I can get hold of the DG-1 display or a modern
>solution of building one. I am finding that the analogue dial is not
>accurate enough.
>Please can anyone help me.
>My QTH is the SW of the UK.
>Cheers
>Nigel
>
>
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>Yahoo! Groups Links
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2115. Re: TS-820's digital display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 16:40:55 UTC
From: pchapman9202003
Topic: 2113 Message: 2115

Soemone had a 520 for sale quite a few posts ago metioning a company that also makes an outboard unit for the 820 at $150.00. Triple that and buy a 718!

--- In TS-520_820_530_830@yahoogroups.com, "nigel4416" <nj.trewin@b...> wrote:
> Does anyone know where I can get hold of the DG-1 display or a modern
> solution of building one. I am finding that the analogue dial is not
> accurate enough.
> Please can anyone help me.
> My QTH is the SW of the UK.
> Cheers
> Nigel

2116. FS: RigBlaster 4 Pin Conversion Kit

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 16:42:39 UTC
From: Jason Creager
Topic: 2110 Message: 2116

RigRunner 4-pin Conversion Kit
Unused West Mountain Radio 4-pin conversion kit. Includes instruction sheet with jumper settings for older radios. No need for it as my TS-520 died on me.

Cost to me was $26. I'll take $17 + shipping of your choice. PayPal preferred. It's cheaper than buying the connectors and doing it yourself.

- Jason - KC0ERG
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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2117. For trade TS-520S ++++++

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 16:49:32 UTC
From: w4cdf@earthlink.net
Topic: 2117 Message: 2117

Hello,
I have the folowing I would like to trade:
1: Kenwood TS-520S transceiver.
2: Kenwood VFO-520S
3: Kenwood SP-520
4: Almost All Digital Electronics C-520 Digital Display
for the TS-520S. Reads to 5places past the dot.
Example 14.300.00 And shows what mode you are
in. Cost on this alone was $150.00
5: Shure 444 desk mic
6: 2 sets of matched 6146B finals NOS
7: 1 12BY7 driver NOS
8: 3 spare dial/s meter lamps
9: 10 sets of riser feet and screws
10: Autek Reasearch QF-1A SSB/AM/CW
audio filter
11: Various plugs, jacks, ect for the radio, vfo,and
speaker.
This is my present working station and everything
is working 100%.
Would like to trade for a Icom IC-718 with a hand mic
and power supply. Will consider trade for Icom IC-703
or SGC-2020 if I cannot find a sutable trade for a
718. I need to reduce the area my radio takes up on
my work bench.
Please reply offline.
Thank You,
Charlie W4CDF

2118. Heil CC-1-K4 Mic. Adaptor Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 18:11:30 UTC
From: kzerokav
Topic: 2118 Message: 2118

This is an "As New In Package" Heil mic adaptor cable. Use your 8 pin Heil mics on your 4 pin Kenwood radios. $22 shipped Conus.

Van,
KL7TDZ

kavan@...
kl7tdz@...

2119. Re: [TS-520_820_530_830] For trade

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-18 18:46:39 UTC
From: Jason Creager
Topic: 2110 Message: 2119

On 7/16/04 at 6:53 PM Charles D. Feigley Sr wrote:

>Would like to trade for a Icom IC-718 with a hand mic and power supply.

If you don't get any trades, list that rig on eBay and you'll probably get
$500 or more for it.

Consider getting a Yaesu FT-897/FT-857 or Icom 756MkIIG. For a couple
hundred more than the 718, you get a great HF rig that can do 2M and 70cm
FM, SSB, and CW. It's a considerable performance gain for the relatively
small difference in price.

I was in the 718 camp until I realized how much money I'd save later by
getting an 897. It's a great radio, but for less than the cost of a dual
band FM mobile, you can get soooooooo much more.
- Jason - KC0ERG
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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2120. Finals clarification please.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 00:03:23 UTC
From: KABOONA
Topic: 2120 Message: 2120

I recently acquired a TS-820s. I understand that the finals are the S1001A type. Are these the same as the 6146 type? If so, which series (i.e A, B...)?
I would like to get a hold of some spares and would like to pick the correct part.

Thanks in advance.
Regards, JIm

2121. Re: [TS-520_820_530_830] Finals clarification please.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 00:39:12 UTC
From: Peter A Markavage
Topic: 2120 Message: 2121

"B's"

On Mon, 19 Jul 2004 00:03:23 -0000 "KABOONA" <kaboona@...> writes:
I recently acquired a TS-820s. I understand that the finals are the
S1001A type. Are these the same as the 6146 type? If so, which
series (i.e A, B...)?
I would like to get a hold of some spares and would like to pick the
correct part.

Thanks in advance.
Regards, JIm

[Non-text portions of this message have been removed]

2122. Re: [TS-520_820_530_830] Finals clarification please.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 12:16:39 UTC
From: Bill K0ZL
Topic: 2120 Message: 2122

The original tubes were excellent, keep these in the
rig as long as possible.

The replacement is 6146B, GE, Sylvania or other NOS US
brand. (NOS is "New Old Stock", sounds like oxymoron
or contradiction, all it means is unused tubes).

You don't need a matched pair but do get same
manufacturer when buying tubes. RF Parts, Surplus
Sales of Nebraska and reputable eBay sellers are great
sources. I have used all three.

73,

Bill
K0ZL
--- KABOONA <kaboona@...> wrote:
> I recently acquired a TS-820s. I understand that the
> finals are the
> S1001A type. Are these the same as the 6146 type? If
> so, which
> series (i.e A, B...)?
> I would like to get a hold of some spares and would
> like to pick the
> correct part.
>
> Thanks in advance.
> Regards, JIm
>
>

=====

"If in doubt, MODIFY" --k0zl

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2123. Re: [TS-520_820_530_830] Finals clarification please.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 12:17:14 UTC
From: Bill K0ZL
Topic: 2120 Message: 2123

Also pick up 2 or 3 12BY7 tubes; this is the driver
and you will run 1 or 2 of these for each set of
finals.

b

--- KABOONA <kaboona@...> wrote:
> I recently acquired a TS-820s. I understand that the
> finals are the
> S1001A type. Are these the same as the 6146 type? If
> so, which
> series (i.e A, B...)?
> I would like to get a hold of some spares and would
> like to pick the
> correct part.
>
> Thanks in advance.
> Regards, JIm
>
>

=====

"If in doubt, MODIFY" --k0zl

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2124. Dead (?) TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 13:04:57 UTC
From: Norman Young
Topic: 2124 Message: 2124

Jason,

I don't know what you mean by your 520 "died", but the neat thing about these rigs is that they have multiple lives, and many of the causes of death are relatively easy to troubleshoot and fix. You might want to use the expertise of this groups to see if you can get it going again, even if only to sell it.

I am using my TS-520 to run PSK with an MFJ interface, not to mention as my primary (make that only) HF rig, although I can identify with the desire to upgrade. I woud also like to upgrade to a new HF rig, but that is going to have to wait for at least another two years when the kid gets out of grad school!

Even so, the TS 520 is not going to go away...

Norman

-----Original Message-----
From: TS-520_820_530_830@yahoogroups.com
Sent: Jul 19, 2004 6:16 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Digest Number 465

Message: 4
Date: Sun, 18 Jul 2004 09:42:39 -0700
From: "Jason Creager" <jason@...>
Subject: FS: RigBlaster 4 Pin Conversion Kit

RigRunner 4-pin Conversion Kit
Unused West Mountain Radio 4-pin conversion kit. Includes instruction sheet with jumper settings for older radios. No need for it as my TS-520 died on me.

Cost to me was $26. I'll take $17 + shipping of your choice. PayPal preferred. It's cheaper than buying the connectors and doing it yourself.

- Jason - KC0ERG
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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2125. Finals clarification

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 15:14:26 UTC
From: Budd Turner
Topic: 2125 Message: 2125

Hi Jim:
Here is an excellent article that tells the whole 6146 story.
http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm

==========
From: "KABOONA" <kaboona@...>
Subject: Finals clarification please.

I recently acquired a TS-820s. I understand that the finals are the
S1001A type. Are these the same as the 6146 type? If so, which
series (i.e A, B...)?
I would like to get a hold of some spares and would like to pick the
correct part.

Thanks in advance.
Regards, JIm

"Good judgment comes from experience, and a lot of that comes from bad judgment." Will Rogers

---
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[Non-text portions of this message have been removed]

2126. Re: [TS-520_820_530_830] Finals clarification

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 16:57:03 UTC
From: Bill K0ZL
Topic: 2125 Message: 2126

I have only one bone of contention, in that the author
does not mention that the B series works fine in all
JA equipment (Yaesu and Kenwood).\

Also I can't see how neutralization would change with
time, unless the tube elements sag or something.

I have had several 520-ish rigs come back to my shop
for warranty repairs, and have never noticed that the
neutralization had changed over time.

bill

--- Budd Turner <n7eoj@...> wrote:
> Hi Jim:
> Here is an excellent article that tells the whole
> 6146 story.
>
http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm
>
>
==========
> From: "KABOONA" <kaboona@...>
> Subject: Finals clarification please.
>
> I recently acquired a TS-820s. I understand that the
> finals are the
> S1001A type. Are these the same as the 6146 type? If
> so, which
> series (i.e A, B...)?
> I would like to get a hold of some spares and would
> like to pick the
> correct part.
>
> Thanks in advance.
> Regards, JIm
>
>
>
> "Good judgment comes from experience, and a lot of
> that comes from bad judgment." Will Rogers
>
> ---
> Do you Yahoo!?
> Vote for the stars of Yahoo!'s next ad campaign!
>

> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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2127. Re: [TS-520_820_530_830] Dead (?) TS-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-19 22:04:17 UTC
From: Jason Creager
Topic: 2124 Message: 2127

On 7/19/04 at 9:04 AM Norman Young wrote:

>Jason,
>
>I don't know what you mean by your 520 "died", but the neat thing about
>these rigs is that they have multiple lives, and many of the causes of
>death are relatively easy to troubleshoot and fix.

I've already contacted the group about what to do, but right now it's 98?F in my garage. There's nothing obviously burned up on any of the surface boards and I don't really need nor want a $200 project right now. I'm pretty close to listing it on eBay and hoping to get my money back to get it out of here. With all of the extras, I should be able to come close.

The FT-897 with AT-897 autotuner sitting next to it really doesn't help inspire me to work on it.

Jason
- Jason - KC0ERG
==========
==========
======
http://jason.creager.com kc0erg@... Las Vegas, NV

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2128. Re: Finals clarification

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-20 02:07:59 UTC
From: KABOONA
Topic: 2125 Message: 2128

Bill and Budd, thanks again for the information. I will check out the sites. This is also an
interesting article (the one posted by Bud).
73s

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> I have only one bone of contention, in that the author
> does not mention that the B series works fine in all
> JA equipment (Yaesu and Kenwood).\
>
> Also I can't see how neutralization would change with
> time, unless the tube elements sag or something.
>
> I have had several 520-ish rigs come back to my shop
> for warranty repairs, and have never noticed that the
> neutralization had changed over time.
>
>
> bill
>
>
> --- Budd Turner <n7eoj@y...> wrote:
> > Hi Jim:
> > Here is an excellent article that tells the whole
> > 6146 story.
> >
> http://home.comcast.net/~zcomco/The_6146_Family_of_Tubes_1.htm
> >
> >
>
==========
=====
> > From: "KABOONA" <kaboona@y...>
> > Subject: Finals clarification please.
> >
> > I recently acquired a TS-820s. I understand that the
> > finals are the
> > S1001A type. Are these the same as the 6146 type? If
> > so, which
> > series (i.e A, B...)?
> > I would like to get a hold of some spares and would
> > like to pick the
> > correct part.
> >
> > Thanks in advance.

> > Regards, JIm
> >
> >
> >
> > "Good judgment comes from experience, and a lot of
> > that comes from bad judgment." Will Rogers
> >
> > ---------------------------------
> > Do you Yahoo!?
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> >
> > [Non-text portions of this message have been
> > removed]
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>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> _________________________________
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2129. Feet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 01:42:07 UTC
From: Norm Fusaro
Topic: 2129 Message: 2129

Looking for some riser feet for the TS-820. I need 4 total if anyone has some for sale.
73,
Norm, W3IZ
www.w3iz.com

[Non-text portions of this message have been removed]

2130. Photos

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 02:57:40 UTC
From: Norm Fusaro
Topic: 2130 Message: 2130

Hi group.
I just uploaded a couple of pix of my TS-830 line.

TS-830, SP-230, VFO-230, AT-230, SM-220

The two pix can be seen in the W3IZ photo album on the Yahoo page.
73,
Norm, W3IZ
www.w3iz.com

[Non-text portions of this message have been removed]

2131. Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 19:36:56 UTC
From: William Bottger
Topic: 2131 Message: 2131

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820 <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on eBay, but don't have a clue if that will work with the older TS-520. What kind of contacts are people with working TS-520s making these days? Anybody earned a WAS or some other distinguished award with their great old Kenwood? I read up on J-poles a while back; is that type of antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

2132. Re: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 20:00:31 UTC
From: Paul Manuel
Topic: 2131 Message: 2132

--- William Bottger <billabott@...> wrote:
> What kind of contacts are people with working TS-520s making these
> days? Anybody earned a WAS or some other distinguished award with their
> great old Kenwood? I read up on J-poles a while back; is that type of
> antennae effective with these rigs?
>

Hi Bill,
Welcome to ham radio!! The short answer to your question is that 520s that work well are making the same kind of contacts as modern rigs. Disadvantages are the fact that the finals must be re-tuned as you change frequencies or bands, and without the external VFO they cannot work split frequency. They also do not have the most recent bands that were given to us, the 30, 17, and 12 meter bands, but there are plenty of contacts out there without those frequencies. Perseverance can overcome these setbacks and the 520 will give you a lot of enjoyment.

The best way to accomplish what you want with an older rig is to get up the best antenna you can, obtain a CW filter, and get on A LOT. Much depends on being in the "right place at the right time." And listen, listen, listen! Try to get to the DX stations before everyone else does.

I am not familiar with HF J-poles but maybe someone else in the group is.
I hope to see you on the air sometime.
73,
Paul K4PDM

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http://advision.webevents.yahoo.com/yahoo/votelifeengine/

2133. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 20:04:24 UTC
From: Brent Baum
Topic: 2131 Message: 2133

I can't answer regarding the VFO-820 (actually I'm looking for a VFO-520S to match my SE for appearance) but I can speak to the contacts. My station set up is a TS-520SE running thru an MFJ 945 C tuner to a more or less 20 meter wire dipole hanging about 14 feet in the air and an Astatic Black Eagle lollipop microphone. It's probably pushing less than optimal wattage down the coax as I've abused the tubes learning to use the poor thing. On 20 meters, SSB, I have recently completed contacts to Poland, New Zealand's South Island and Hawaii with 55 to 59 signal reports, all from a deep mountain valley in Utah with very poor ground. So, get your general, hang up some wire and get on the air. You can work 'em!
73 de K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "William Bottger" <billabott@k...> wrote:
> I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by
> passing the General Exam with code or wait for FCC to eliminate code
> requirement all together. My equipment consists of a Kenwood TS-520
> sans CW filter and matching speaker and mike. I am on the lookout for a
> VFO-520. I think I did see a VFO-820
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on
> eBay, but don't have a clue if that will work with the older TS-520.
> What kind of contacts are people with working TS-520s making these
> days? Anybody earned a WAS or some other distinguished award with their
> great old Kenwood? I read up on J-poles a while back; is that type of
> antennae effective with these rigs?
>
> 73, KI4CYM, Bill
>
>
> [Non-text portions of this message have been removed]

2134. RE: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 20:16:35 UTC
From: Ron Kienzle
Topic: 2131 Message: 2134

Hey, Bill. Welcome!

I don't know if a VFO-820 will work with a TS-520 or not but, really, you don't need it until you are very comfortable operating and then start trying to work DX on split frequencies. Your TS-520 is a great little rig -- don't let anyone tell you otherwise. You can work the entire world just fine with it.

I've never heard of an HF J-Pole so I can't comment.

My advice? Put up a dipole as high as you can and as long as you can. Feed it with 450 ohm "ladder" line and use an antenna tuner. Then GET ON THE AIR a lot.

After a while, you'll form your own opinions about antennas, operating methods and modes, and equipment.

Above all else, have fun!

73,

--Ron (KZ7P)

-----Original Message-----
From: William Bottger [mailto:billabott@...]
Sent: Thursday, July 22, 2004 3:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Hello to group!

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820 <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on eBay, but don't have a clue if that will work with the older TS-520. What kind of contacts are people with working TS-520s making these days? Anybody earned a WAS or some other distinguished award with their great old Kenwood? I read up on J-poles a while back; is that type of antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

--
Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

2135. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 21:01:39 UTC
From: Brent Baum
Topic: 2131 Message: 2135

William,
I just have some additional thoughts about the HF j-pole antenna. These are really popular in my area for 2 meters and up, but for HF they get really cumbersome, the physical size of the thing makes them difficult to impossible to construct, plus a little pricey. Second, j-poles are usually vertically polarized, HF operators usually have horizontally polarized signals. So on HF with a vertical antenna one usually gains lots of noise, static, hash (which in general is vertically polarized) while losing a portion of the distant station's signal. A horizontal dipole cuts much of the noise and grabs more of the signal, according to theory.

Hope to make contact with you on the air soon.

73 de K7MEI, Brent

--- In TS-520_820_530_830@yahoogroups.com, "William Bottger" <billabott@k...> wrote:
> I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by
> passing the General Exam with code or wait for FCC to eliminate code
> requirement all together. My equipment consists of a Kenwood TS-520
> sans CW filter and matching speaker and mike. I am on the lookout for a
> VFO-520. I think I did see a VFO-820
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on
> eBay, but don't have a clue if that will work with the older TS-520.
> What kind of contacts are people with working TS-520s making these
> days? Anybody earned a WAS or some other distinguished award with their
> great old Kenwood? I read up on J-poles a while back; is that type of
> antennae effective with these rigs?
>
> 73, KI4CYM, Bill
>
>
> [Non-text portions of this message have been removed]

2136. RE: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 20:58:06 UTC
From: Brian
Topic: 2131 Message: 2136

Well, I don't have a TS-520, but I own a TS-530S (very close relative). I'm currently living in an apartment complex, so my antenna options are quite limited. In fact, what I have is a wire that goes out from the back of the radio, thru the window, and is bolted to the rain gutter on the other side. I don't (yet) have a WAS award, but I've worked 47 states and 4 provinces with that setup on 40m (I suspect I'll have to wait a bit later in the year to hope for Alaska or Hawaii on 40m! ...and the other one I'm missing is just a rogue -- Utah. I'll get it, soon, I'm sure). I also regularly check into state-wide HF nets on 80m, using the same setup.

If you're REALLY dying for a digital readout, I've got a friend's TS-530SE here that he asked me to sell for him... ;)

- Brian

-----Original Message-----
From: William Bottger [mailto:billabott@...]
Sent: Thursday, July 22, 2004 3:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Hello to group!

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820 <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on eBay, but don't have a clue if that will work with the older TS-520. What kind of contacts are people with working TS-520s making these days? Anybody earned a WAS or some other distinguished award with their great old Kenwood? I read up on J-poles a while back; is that type of antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

Yahoo! Groups Links

2137. RE: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 11:06:24 UTC
From: Bill
Topic: 2131 Message: 2137

At 502 VFO will work the same as an 820 VFO at least according to the internal schematics. As to working DX with an old rig, doesn't matter. RF
is RF, 100 watts is 100 watts. The antenna is what matters. Go vertical
for good DX and horizontal for good local contacts.

K2WH

-----Original Message-----
From: William Bottger [mailto:billabott@...]
Sent: Friday, July 23, 2004 1:37 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Hello to group!

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982>
&rd=1&item=5711043982> on
eBay, but don't have a clue if that will work with the older TS-520. What kind of contacts are people with working TS-520s making these days? Anybody earned a WAS or some other distinguished award with their great old Kenwood? I read up on J-poles a while back; is that type of antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

_____

Yahoo! Groups Links

* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscri
be>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of
Service <http://docs.yahoo.com/info/terms/> .

[Non-text portions of this message have been removed]

2138. RE: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-22 11:07:00 UTC
From: Bill
Topic: 2131 Message: 2138

I meant a 520 VFO will work with an 820 rig and also the other way around.

K2WH

-----Original Message-----
From: William Bottger [mailto:billabott@...]
Sent: Friday, July 23, 2004 1:37 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Hello to group!

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820 <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> &rd=1&item=5711043982> on eBay, but don't have a clue if that will work with the older TS-520. What kind of contacts are people with working TS-520s making these days? Anybody earned a WAS or some other distinguished award with their great old Kenwood? I read up on J-poles a while back; is that type of antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

Yahoo! Groups Links

* To visit your group on the web, go to: http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to: TS-520_820_530_830-unsubscribe@yahoogroups.com <mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service <http://docs.yahoo.com/info/terms/> .

[Non-text portions of this message have been removed]

2139. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 00:24:17 UTC
From: pchapman9202003
Topic: 2131 Message: 2139

Just my opinion but unless you are looking at doing some kind of collector type stuff, I do not find the split VFO as big of a deal as it was many years ago. I have had it on my new rig for over six months, and have have worked over 35 countries with that rig without a thought to split stuff. Over 50 countries with the 820s I bought a couple of years ago without a thought to it. Somebody here said that it is in the antenna. Dead onwith that. Had mine up aabout 50 feet until a storm a few weeks ago and the ham band were total open season for me. I lost 15 feet and I now have to compete. 100 watts on one and a bit more on the other rig.

If your 520 is sound and has decenet output, place that as number one priority. If you know how to convert to a three prong cord, do that too. If you have sticky gooey bandswitches, go there. If you want split stuff talk to others on how much they use it before you open another can of worms.

--- In TS-520_820_530_830@yahoogroups.com, "William Bottger" <billabott@k...> wrote:
> I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by
> passing the General Exam with code or wait for FCC to eliminate code
> requirement all together. My equipment consists of a Kenwood TS-520
> sans CW filter and matching speaker and mike. I am on the lookout for a
> VFO-520. I think I did see a VFO-820
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on
> eBay, but don't have a clue if that will work with the older TS-520.
> What kind of contacts are people with working TS-520s making these
> days? Anybody earned a WAS or some other distinguished award with their
> great old Kenwood? I read up on J-poles a while back; is that type of
> antennae effective with these rigs?
>
> 73, KI4CYM, Bill
>
>
> [Non-text portions of this message have been removed]

2140. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 00:31:20 UTC
From: pchapman9202003
Topic: 2131 Message: 2140

The big deal to splits with me was back in the 60's and early 70's on 40 meters. Really cool DX would hang out 7.085 or some off the wall freq where they would not get killed by the broadcast stations. They would listen 7.000 plus, and since the bradcast stations were in their back yard to a great degree did not impact them as much as us, thus splits were pretty cool to have. Some of the WARC add ons and other factors to me have reduced the demand for splitting although it still does go on toa certain extent, but ask around!

Good luck

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003" <p_chap@b...> wrote:
> Just my opinion but unless you are looking at doing some kind of
> collector type stuff, I do not find the split VFO as big of a deal
> as it was many years ago. I have had it on my new rig for over six
> months, and have have worked over 35 countries with that rig without
> a thought to split stuff. Over 50 countries with the 820s I bought a
> couple of years ago without a thought to it. Somebody here said that
> it is in the antenna. Dead onwith that. Had mine up aabout 50 feet
> until a storm a few weeks ago and the ham band were total open
> season for me. I lost 15 feet and I now have to compete. 100 watts
> on one and a bit more on the other rig.
>
> If your 520 is sound and has decenet output, place that as number
> one priority. If you know how to convert to a three prong cord, do
> that too. If you have sticky gooey bandswitches, go there. If you
> want split stuff talk to others on how much they use it before you
> open another can of worms.
>
> --- In TS-520_820_530_830@yahoogroups.com, "William Bottger"
> <billabott@k...> wrote:
> > I am a newly licensed No-Code-Tech. Hoping to rectify that
> shortly by
> > passing the General Exam with code or wait for FCC to eliminate
> code
> > requirement all together. My equipment consists of a Kenwood TS-
> 520
> > sans CW filter and matching speaker and mike. I am on the lookout
> for a

> > VFO-520. I think I did see a VFO-820
> > <http://cgi.ebay.com/ws/eBayISAPI.dll?
> ViewItem&rd=1&item=5711043982> on
> > eBay, but don't have a clue if that will work with the older TS-
> 520.
> > What kind of contacts are people with working TS-520s making
these
> > days? Anybody earned a WAS or some other distinguished award
with
> their
> > great old Kenwood? I read up on J-poles a while back; is that
> type of
> > antennae effective with these rigs?
> >
> > 73, KI4CYM, Bill
> >
> >
> > [Non-text portions of this message have been removed]

2141. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 00:40:34 UTC
From: pchapman9202003
Topic: 2131 Message: 2141

Before I get blasted, "They would listen at 7200 plus as that is where voice started then" We we in the broadcast crap, but they did not hear it!

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003" <p_chap@b...> wrote:
> The big deal to splits with me was back in the 60's and early 70's
> on 40 meters. Really cool DX would hang out 7.085 or some off the
> wall freq where they would not get killed by the broadcast stations.
> They would listen 7.000 plus, and since the bradcast stations were
> in their back yard to a great degree did not impact them as much as
> us, thus splits were pretty cool to have. Some of the WARC add ons
> and other factors to me have reduced the demand for splitting
> although it still does go on toa certain extent, but ask around!
>
> Good luck
>
> --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> <p_chap@b...> wrote:
> > Just my opinion but unless you are looking at doing some kind of
> > collector type stuff, I do not find the split VFO as big of a deal
> > as it was many years ago. I have had it on my new rig for over six
> > months, and have have worked over 35 countries with that rig
> without
> > a thought to split stuff. Over 50 countries with the 820s I bought
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> > couple of years ago without a thought to it. Somebody here said
> that
> > it is in the antenna. Dead onwith that. Had mine up aabout 50 feet
> > until a storm a few weeks ago and the ham band were total open
> > season for me. I lost 15 feet and I now have to compete. 100 watts
> > on one and a bit more on the other rig.
> >
> > If your 520 is sound and has decenet output, place that as number
> > one priority. If you know how to convert to a three prong cord, do
> > that too. If you have sticky gooey bandswitches, go there. If

you
> > want split stuff talk to others on how much they use it before
you
> > open another can of worms.
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "William Bottger"
> > <billabott@k...> wrote:
> > > I am a newly licensed No-Code-Tech. Hoping to rectify that
> > shortly by
> > > passing the General Exam with code or wait for FCC to
eliminate
> > code
> > > requirement all together. My equipment consists of a Kenwood
> TS-
> > 520
> > > sans CW filter and matching speaker and mike. I am on the
> lookout
> > for a
> > > VFO-520. I think I did see a VFO-820
> > > <http://cgi.ebay.com/ws/eBayISAPI.dll?
> > ViewItem&rd=1&item=5711043982> on
> > > eBay, but don't have a clue if that will work with the older
TS-
> > 520.
> > > What kind of contacts are people with working TS-520s making
> these
> > > days? Anybody earned a WAS or some other distinguished award
> with
> > their
> > > great old Kenwood? I read up on J-poles a while back; is that
> > type of
> > > antennae effective with these rigs?
> > >
> > > 73, KI4CYM, Bill
> > >
> > >
> > > [Non-text portions of this message have been removed]

2142. Re: [TS-520_820_530_830] Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 01:16:12 UTC
From: simmans@datafast.net.au
Topic: 2131 Message: 2142

for a novice please explain "convert to a three prong cord"??

is this a multi wire antenna?

thks george
> Before I get blasted, "They would listen at 7200 plus as that is
> where voice started then" We we in the broadcast crap, but they did
> not hear it!
>
> --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> wrote:
> > The big deal to splits with me was back in the 60's and early 70's
> > on 40 meters. Really cool DX would hang out 7.085 or some off the
> > wall freq where they would not get killed by the broadcast
> stations.
> > They would listen 7.000 plus, and since the bradcast stations were
> > in their back yard to a great degree did not impact them as much
> as
> > us, thus splits were pretty cool to have. Some of the WARC add ons
> > and other factors to me have reduced the demand for splitting
> > although it still does go on toa certain extent, but ask around!
> >
> > Good luck
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> > wrote:
> > > Just my opinion but unless you are looking at doing some kind of
> > > collector type stuff, I do not find the split VFO as big of a
> deal
> > > as it was many years ago. I have had it on my new rig for over
> six
> > > months, and have have worked over 35 countries with that rig
> > without
> > > a thought to split stuff. Over 50 countries with the 820s I
> bought
> > a
> > > couple of years ago without a thought to it. Somebody here said
> > that
> > > it is in the antenna. Dead onwith that. Had mine up aabout 50
> feet
> > > until a storm a few weeks ago and the ham band were total open
> > > season for me. I lost 15 feet and I now have to compete. 100
> watts
> > > on one and a bit more on the other rig.
> > >

> > > If your 520 is sound and has decenet output, place that as
> number
> > > one priority. If you know how to convert to a three prong cord,
> do
> > > that too. If you have sticky gooey bandswitches, go there. If
> you
> > > want split stuff talk to others on how much they use it before
> you
> > > open another can of worms.
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, "William
> Bottger"
> > > wrote:
> > > > I am a newly licensed No-Code-Tech. Hoping to rectify that
> > > shortly by
> > > > passing the General Exam with code or wait for FCC to
> eliminate
> > > code
> > > > requirement all together. My equipment consists of a Kenwood
> > TS-
> > > 520
> > > > sans CW filter and matching speaker and mike. I am on the
> > lookout
> > > for a
> > > > VFO-520. I think I did see a VFO-820
> > > > http://cgi.ebay.com/ws/eBayISAPI.dll?
> > > ViewItem&rd=1&item=5711043982> on
> > > > eBay, but don't have a clue if that will work with the older
> TS-
> > > 520.
> > > > What kind of contacts are people with working TS-520s making
> > these
> > > > days? Anybody earned a WAS or some other distinguished award
> > with
> > > their
> > > > great old Kenwood? I read up on J-poles a while back; is that
> > > type of
> > > > antennae effective with these rigs?
> > > >
> > > > 73, KI4CYM, Bill
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
>
>
> Yahoo! Groups Sponsor ADVERTISEMENT
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> Yahoo! Groups Links
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/

> To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

2143. Re: [TS-520_820_530_830] Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 01:37:48 UTC
From: Paul Manuel
Topic: 2131 Message: 2143

--- pchapman9202003 <p_chap@...> wrote:
> The big deal to splits with me was back in the 60's and early 70's
> on 40 meters. Really cool DX would hang out 7.085 or some off the
> wall freq where they would not get killed by the broadcast stations.

Split capability is still a big deal in working DX on 40 and 75 SSB.
73,
Paul K4PDM

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

2144. Re: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 03:21:27 UTC
From: Norm Fusaro
Topic: 2131 Message: 2144

ROGER ROGER on the antenna.
See Lew Mcoy on antennas. You can NOT do any better for all band coverage than the longest dipole you can run fed with twin lead and use a tuner.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: Ron Kienzle
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, July 22, 2004 4:16 PM
Subject: RE: [TS-520_820_530_830] Hello to group!

Hey, Bill. Welcome!

I don't know if a VFO-820 will work with a TS-520 or not but, really, you don't need it until you are very comfortable operating and then start trying to work DX on split frequencies. Your TS-520 is a great little rig -- don't let anyone tell you otherwise. You can work the entire world just fine with it.

I've never heard of an HF J-Pole so I can't comment.

My advice? Put up a dipole as high as you can and as long as you can. Feed it with 450 ohm "ladder" line and use an antenna tuner. Then GET ON THE AIR a lot.

After a while, you'll form your own opinions about antennas, operating methods and modes, and equipment.

Above all else, have fun!

73,

--Ron (KZ7P)

-----Original Message-----
From: William Bottger [mailto:billabott@...]
Sent: Thursday, July 22, 2004 3:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Hello to group!

I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by passing the General Exam with code or wait for FCC to eliminate code requirement all together. My equipment consists of a Kenwood TS-520 sans CW filter and matching speaker and mike. I am on the lookout for a VFO-520. I think I did see a VFO-820 <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&rd=1&item=5711043982> on

eBay, but don't have a clue if that will work with the older TS-520.
What kind of contacts are people with working TS-520s making these
days? Anybody earned a WAS or some other distinguished award with their
great old Kenwood? I read up on J-poles a while back; is that type of
antennae effective with these rigs?

73, KI4CYM, Bill

[Non-text portions of this message have been removed]

--
Yahoo! Groups Links

a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

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b.. To unsubscribe from this group, send an email to:
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c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

2145. antennas (was Hello to group!)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 05:41:50 UTC
From: simmans@datafast.net.au
Topic: 2131 Message: 2145

would a triple wire dipole be better than a double size g5rv.

I am fortunate that room is not an isse and there are two 60 year old
pines about 500 meters apart that I could hang the antenna from.

the groups thoughts on this would be much appreciated.

> ROGER ROGER on the antenna.
> See Lew Mcoy on antennas. You can NOT do any better for all band
> coverage than the longest dipole you can run fed with twin lead and use a
> tuner.
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
>

2146. RE: [TS-520_820_530_830] antennas (was Hello to group!)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 12:51:56 UTC
From: Ron Kienzle
Topic: 2131 Message: 2146

I've had both. Although the 3 element dipole was convenient (no tune) on many frequencies, there were still some frequencies I couldn't work without a tuner. So, since I needed a tuner anyway, the large G5RV was an excellent compromise. The 3 element dipole was always getting tangled up, was susceptible to QRN and harmonics (TVI).

If I had that kind of room now, I'd put up the G5RV or a Lew McCoy.

73,

--Ron (KZ7P)

-----Original Message-----
From: simmans@... [mailto:simmans@...]
Sent: Friday, July 23, 2004 1:42 AM
To: TS-520_820_530_830@yahoogroups.com
Cc: ts-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] antennas (was Hello to group!)

would a triple wire dipole be better than a double size g5rv.

I am fortunate that room is not an isse and there are two 60 year old pines about 500 meters apart that I could hang the antenna from.

the groups thoughts on this would be much appreciated.

> ROGER ROGER on the antenna.
> See Lew Mcoy on antennas. You can NOT do any better for all band
> coverage than the longest dipole you can run fed with twin lead and use
a
> tuner.
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
>

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[Non-text portions of this message have been removed]

2147. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 13:28:11 UTC
From: pchapman9202003
Topic: 2131 Message: 2147

No just the ac cord for the rig itself

--- In TS-520_820_530_830@yahoogroups.com, simmans@d... wrote:
> for a novice please explain "convert to a three prong cord"??
>
> is this a multi wire antenna?
>
> thks george
> > Before I get blasted, "They would listen at 7200 plus as
that is
> > where voice started then" We we in the broadcast crap, but they
did
> > not hear it!
> >
> > --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> > wrote:
> > > The big deal to splits with me was back in the 60's and early
70's
> > > on 40 meters. Really cool DX would hang out 7.085 or some off
the
> > > wall freq where they would not get killed by the broadcast
> > stations.
> > > They would listen 7.000 plus, and since the bradcast stations
were
> > > in their back yard to a great degree did not impact them as
much
> > as
> > > us, thus splits were pretty cool to have. Some of the WARC
add ons
> > > and other factors to me have reduced the demand for splitting
> > > although it still does go on toa certain extent, but ask
around!
> > >
> > > Good luck
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> > > wrote:
> > > > Just my opinion but unless you are looking at doing some
kind of
> > > > collector type stuff, I do not find the split VFO as big of
a
> > deal
> > > > as it was many years ago. I have had it on my new rig for
over
> > six

> > > > months, and have have worked over 35 countries with that rig
> > > without
> > > > a thought to split stuff. Over 50 countries with the 820s I
> > bought
> > > a
> > > > couple of years ago without a thought to it. Somebody here
said
> > > that
> > > > it is in the antenna. Dead onwith that. Had mine up aabout
50
> > feet
> > > > until a storm a few weeks ago and the ham band were total
open
> > > > season for me. I lost 15 feet and I now have to compete. 100
> > watts
> > > > on one and a bit more on the other rig.
> > > >
> > > > If your 520 is sound and has decenet output, place that as
> > number
> > > > one priority. If you know how to convert to a three prong
cord,
> > do
> > > > that too. If you have sticky gooey bandswitches, go there.
If
> > you
> > > > want split stuff talk to others on how much they use it
before
> > you
> > > > open another can of worms.
> > > >
> > > > --- In TS-520_820_530_830@yahoogroups.com, "William
> > Bottger"
> > > > wrote:
> > > > > I am a newly licensed No-Code-Tech. Hoping to rectify
that
> > > > shortly by
> > > > > passing the General Exam with code or wait for FCC to
> > eliminate
> > > > code
> > > > > requirement all together. My equipment consists of a
Kenwood
> > > TS-
> > > > 520
> > > > > sans CW filter and matching speaker and mike. I am on the
> > > lookout
> > > > for a
> > > > > VFO-520. I think I did see a VFO-820
> > > > > http://cgi.ebay.com/ws/eBayISAPI.dll?
> > > > ViewItem&rd=1&item=5711043982> on
> > > > > eBay, but don't have a clue if that will work with the

older
> > TS-
> > > > 520.
> > > > > What kind of contacts are people with working TS-520s
making
> > > these
> > > > > days? Anybody earned a WAS or some other distinguished
award
> > > with
> > > > their
> > > > > great old Kenwood? I read up on J-poles a while back; is
that
> > > > type of
> > > > > antennae effective with these rigs?
> > > > >
> > > > > 73, KI4CYM, Bill
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> >
> >
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2148. Re: [TS-520_820_530_830] Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 15:28:43 UTC
From: Paul Manuel
Topic: 2131 Message: 2148

--- Norm Fusaro <w3iz@...> wrote:
> ROGER ROGER on the antenna.
> See Lew Mcoy on antennas. You can NOT do any better for all band
> coverage than the longest dipole you can run fed with twin lead and use
> a tuner.

That's the antenna I use most of the time, and I agree--it works great.
Mine is 400 feet long.
73,
Paul K4PDM

_____
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2149. Re: [TS-520_820_530_830] Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 18:15:53 UTC
From: Bill K0ZL
Topic: 2131 Message: 2149

The hybrid rigs come with a two wire cord, which
leaves the chassis a little 'hot' to ground if you
don't have a ground wire connected to the rig. By
adding a three wire cord with safety ground to the
power connector, you get rid of this problem. I am
fixing to do it to my Johnson Valiant; it also helps
reduce audio hum. Sure helped my guitar amp too.

bill

--- simmans@... wrote:
> for a novice please explain "convert to a three
> prong cord"??
>
> is this a multi wire antenna?
>
> thks george

=====

"If in doubt, MODIFY" --k0zl

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2150. Re: [TS-520_820_530_830] antennas (was Hello to group!)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 18:19:33 UTC
From: Bill K0ZL
Topic: 2131 Message: 2150

Look up "double extended Zepp" for 160 on the web

The guys here in Colorado use them; strongest sigs you
will hear on 80/75M...

73

bill

--- simmans@... wrote:
> would a triple wire dipole be better than a double
> size g5rv.
>
> I am fortunate that room is not an isse and there
> are two 60 year old
> pines about 500 meters apart that I could hang the
> antenna from.
>
> the groups thoughts on this would be much
> appreciated.
>
> > ROGER ROGER on the antenna.
> > See Lew Mcoy on antennas. You can NOT do any
> better for all band
> > coverage than the longest dipole you can run fed
> with twin lead and use a
> > tuner.
> > 73,
> > Norm, W3IZ
> > www.w3iz.com
> > ----- Original Message -----
> >
>

=====

"If in doubt, MODIFY" --k0zl

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2151. RE: [TS-520_820_530_830] Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-23 11:52:12 UTC
From: Bill
Topic: 2131 Message: 2151

Most if not all DX'peditions will work split frequency. If you do not have split frequency capability,
forget about working any rare locations around the planet. The addition of an external VFO to
allow one to work split is an huge enhancement to your over all station flexibility with only a
minimal cost.

The ability to work split, is a capability you will one day wish you had when you find yourself
listening to that rare DX that everyone else is working. You will be on the outside looking in.

Of course, if you do care about working DX'peditions or rare DX, then forget what I said here.

K2WH

-----Original Message-----
From: pchapman9202003 [mailto:p_chap@...]
Sent: Friday, July 23, 2004 6:24 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Hello to group!

Just my opinion but unless you are looking at doing some kind of collector type stuff, I do not find the split VFO as big of a deal as it was many years ago. I have had it on my new rig for over six months, and have have worked over 35 countries with that rig without a thought to split stuff. Over 50 countries with the 820s I bought a couple of years ago without a thought to it. Somebody here said that it is in the antenna. Dead onwith that. Had mine up aabout 50 feet until a storm a few weeks ago and the ham band were total open season for me. I lost 15 feet and I now have to compete. 100 watts on one and a bit more on the other rig.

If your 520 is sound and has decenet output, place that as number one priority. If you know how to convert to a three prong cord, do that too. If you have sticky gooey bandswitches, go there. If you want split stuff talk to others on how much they use it before you open another can of worms.

--- In TS-520_820_530_830@yahoogroups.com, "William Bottger" <billabott@k...> wrote:
> I am a newly licensed No-Code-Tech. Hoping to rectify that shortly by
> passing the General Exam with code or wait for FCC to eliminate code

> requirement all together. My equipment consists of a Kenwood TS-
520
> sans CW filter and matching speaker and mike. I am on the lookout
for a
> VFO-520. I think I did see a VFO-820
> <http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&rd=1&item=5711043982> on
> eBay, but don't have a clue if that will work with the older TS-
520.
> What kind of contacts are people with working TS-520s making these
> days? Anybody earned a WAS or some other distinguished award with
their
> great old Kenwood? I read up on J-poles a while back; is that
type of
> antennae effective with these rigs?
>
> 73, KI4CYM, Bill
>
>
> [Non-text portions of this message have been removed]

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D=groups/S=1705063108:HM/EXP=1090628671/A=2128215/R=0/SIG=10se96mf6/*htt
p://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
s/S=:HM/A=2128215/rand=660478661>

_____

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[Non-text portions of this message have been removed]

2152. RE: [TS-520_820_530_830] Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 07:12:44 UTC
From: nhead1@cwctv.net
Topic: 2131 Message: 2152

I must agree with you it has happened to me twice now where i have been unable to work rare Dx because they were working split. I have two problems one i can not find a vfo and two when they do pop up they are silly prices that i can not afford. Amateur radio seems so much cheaper over in the US. I shall keep searching though. all the best from Nigel M0dbo

NIGEL HEAD

On Fri, 23 Jul 2004 17:52:12 +0600 Bill <k2wh@...> wrote:

[Non-text portions of this message have been removed]

2153. cw keyer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 13:30:02 UTC
From: Nigel
Topic: 2153 Message: 2153

Hi i have been told that i might find it hard to find a cw keyer that works with the TS530sp because it uses negative keying. Has anyone got any suggestions as to any keyers that will work with the TS530sp. I would like it to be as cheap as possible as i have very limited funds. A suggestion of names of second hand units to keep my eyes open for would be great.All the best from Nigel M0dbo.

2154. Re: [TS-520_820_530_830] cw keyer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 14:04:03 UTC
From: Gary & Carrie Meyer
Topic: 2153 Message: 2154

Nigel

I,m using a MFJ422b on my ts530s. works good. Can be found on e-bay from time to time.

KCØNPJ Gary

[Non-text portions of this message have been removed]

2155. Re: [TS-520_820_530_830] cw keyer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 16:57:11 UTC
From: Dale Cole
Topic: 2153 Message: 2155

Nigel;
I used a MFJ Grandmaster on both my Heath HW 101 and my TS803 for many many years. It uses a three wire shielded cable (-/+ with shield) all that is needed is to wire the cable as needed. Should have no problems, lots of used ones around.
Dale K9TTT

-------Original Message-------

From: TS-520_820_530_830@yahoogroups.com
Date: 07/24/04 09:31:12
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] cw keyer

Hi i have been told that i might find it hard to find a cw keyer that works with the TS530sp because it uses negative keying. Has anyone got any suggestions as to any keyers that will work with the TS530sp. I would like it to be as cheap as possible as i have very limited funds. A suggestion of names of second hand units to keep my eyes open for would be great.All the best from Nigel M0dbo.

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[Non-text portions of this message have been removed]

2156. Re: Hello to group!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 17:55:59 UTC
From: pchapman9202003
Topic: 2131 Message: 2156

Standing corrected, did not realize that much of it was still going on. I guess it is just more a change in my operating preferences over the years that I do not notice it at much, so I guess it is good to have it built into the 718 at least, if I ever use it.

--- In TS-520_820_530_830@yahoogroups.com, Bill <k2wh@o...> wrote:
> Most if not all DX'peditions will work split frequency. If you do not
> have split frequency capability,
> forget about working any rare locations around the planet. The addition
> of an external VFO to
> allow one to work split is an huge enhancement to your over all station
> flexibility with only a
> minimal cost.
>
> The ability to work split, is a capability you will one day wish you had
> when you find yourself
> listening to that rare DX that everyone else is working. You will be on
> the outside looking in.
>
> Of course, if you do care about working DX'peditions or rare DX, then
> forget what I said here.
>
> K2WH
>
> -----Original Message-----
> From: pchapman9202003 [mailto:p_chap@b...]
> Sent: Friday, July 23, 2004 6:24 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: Hello to group!
>
>
> Just my opinion but unless you are looking at doing some kind of
> collector type stuff, I do not find the split VFO as big of a deal
> as it was many years ago. I have had it on my new rig for over six
> months, and have have worked over 35 countries with that rig without
> a thought to split stuff. Over 50 countries with the 820s I bought a
> couple of years ago without a thought to it. Somebody here said

that
> it is in the antenna. Dead onwith that. Had mine up aabout 50 feet
> until a storm a few weeks ago and the ham band were total open
> season for me. I lost 15 feet and I now have to compete. 100 watts
> on one and a bit more on the other rig.
>
> If your 520 is sound and has decenet output, place that as number
> one priority. If you know how to convert to a three prong cord, do
> that too. If you have sticky gooey bandswitches, go there. If you
> want split stuff talk to others on how much they use it before you
> open another can of worms.
>
> --- In TS-520_820_530_830@yahoogroups.com, "William Bottger"
> <billabott@k...> wrote:
> > I am a newly licensed No-Code-Tech. Hoping to rectify that
> shortly by
> > passing the General Exam with code or wait for FCC to eliminate
> code
> > requirement all together. My equipment consists of a Kenwood
TS-
> 520
> > sans CW filter and matching speaker and mike. I am on the
lookout
> for a
> > VFO-520. I think I did see a VFO-820
> > <http://cgi.ebay.com/ws/eBayISAPI.dll?
> ViewItem&rd=1&item=5711043982> on
> > eBay, but don't have a clue if that will work with the older TS-
> 520.
> > What kind of contacts are people with working TS-520s making
these
> > days? Anybody earned a WAS or some other distinguished award
with
> their
> > great old Kenwood? I read up on J-poles a while back; is that
> type of
> > antennae effective with these rigs?
> >
> > 73, KI4CYM, Bill
> >
> >
> > [Non-text portions of this message have been removed]
>
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<http://us.ard.yahoo.com/SIG=129t4qk6q/M=295196.4901138.6071305.30011
76/
>
D=groups/S=1705063108:HM/EXP=1090628671/A=2128215/R=0/SIG=10se96mf6/*
htt
> p://companion.yahoo.com> click here
>
> <http://us.adserver.yahoo.com/l?
M=295196.4901138.6071305.3001176/D=group
> s/S=:HM/A=2128215/rand=660478661>
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>
>
>
> [Non-text portions of this message have been removed]

2157. Re: cw keyer

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-24 18:05:41 UTC
From: pchapman9202003
Topic: 2153 Message: 2157

You actually have a number of choices. I cannot remember where, but do searches for grid block adaptor specific to google, and you will find a few sources for under $10.00 USD. I just checked. That way you can use any keyer you like. Another as was mentioned is MFJ. I have one and not overjoyed with it, but it has jumper control to use either way. Go to their web page. You can download the manuals to all keyers and determine whether it has the jumper control or not. They still build them that way on several models. I have the 407d

--- In TS-520_820_530_830@yahoogroups.com, "Nigel" <nhead1@c...> wrote:
> Hi i have been told that i might find it hard to find a cw keyer that
> works with the TS530sp because it uses negative keying. Has anyone
> got any suggestions as to any keyers that will work with the TS530sp.
> I would like it to be as cheap as possible as i have very limited
> funds. A suggestion of names of second hand units to keep my eyes
> open for would be great.All the best from Nigel M0dbo.

2158. Re: antennas (was Hello to group!)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-26 01:01:20 UTC
From: georgesimmans
Topic: 2131 Message: 2158

Many thanks for your input Ron,

I seem to not be receiving emails from this group anymore so
apologies to anyone I have not replied to.

--- In TS-520_820_530_830@yahoogroups.com, "Ron Kienzle" <ron@k...>
wrote:
> I've had both. Although the 3 element dipole was convenient (no
tune) on
> many frequencies, there were still some frequencies I couldn't
work without
> a tuner. So, since I needed a tuner anyway, the large G5RV was an
excellent
> compromise. The 3 element dipole was always getting tangled up, was
> susceptible to QRN and harmonics (TVI).
>
> If I had that kind of room now, I'd put up the G5RV or a Lew McCoy.
>
> 73,
>
> --Ron (KZ7P)
>
>
> -----Original Message-----
> From: simmans@d... [mailto:simmans@d...]
> Sent: Friday, July 23, 2004 1:42 AM
> To: TS-520_820_530_830@yahoogroups.com
> Cc: ts-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] antennas (was Hello to group!)
>
>
> would a triple wire dipole be better than a double size g5rv.
>
> I am fortunate that room is not an isse and there are two 60
year old
> pines about 500 meters apart that I could hang the antenna from.
>
> the groups thoughts on this would be much appreciated.
>
> > ROGER ROGER on the antenna.
> > See Lew Mcoy on antennas. You can NOT do any better for all
band
> > coverage than the longest dipole you can run fed with twin
lead and use
> a

> > tuner.
> > 73,
> > Norm, W3IZ
> > www.w3iz.com
> > ----- Original Message -----
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>
> [Non-text portions of this message have been removed]

2159. Re: antennas (was Hello to group!)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-26 01:03:03 UTC
From: georgesimmans
Topic: 2131 Message: 2159

Thank you Bill will do .

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Look up "double extended Zepp" for 160 on the web
>
> The guys here in Colorado use them; strongest sigs you
> will hear on 80/75M...
>
> 73
>
> bill
>
> --- simmans@d... wrote:
> > would a triple wire dipole be better than a double
> > size g5rv.
> >
> > I am fortunate that room is not an isse and there
> > are two 60 year old
> > pines about 500 meters apart that I could hang the
> > antenna from.
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> > the groups thoughts on this would be much
> > appreciated.
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> > > ROGER ROGER on the antenna.
> > > See Lew Mcoy on antennas. You can NOT do any
> > better for all band
> > > coverage than the longest dipole you can run fed
> > with twin lead and use a
> > > tuner.
> > > 73,
> > > Norm, W3IZ
> > > www.w3iz.com
> > > ----- Original Message -----
> > >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>

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2160. question on tuning 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-26 01:18:46 UTC
From: georgesimmans
Topic: 2160 Message: 2160

Hi all,

My question relates to tuning a 520S into a dummy load.
I follow the manual procedure the last part of which states switch to cw mode, set the meter switch to RF and flip the send switch .quickly adjust both the plate and load to peak the meter.

well My dummy load has a watt meter and using this method I get 90 watts output but If I use the plate and load and maximise the output wattage on my dummy load this is past the maximum deflection on the 520s meter, and shows just over 100w.

My question is is it safe to tune for maximum output on my watt meter and ignore the 520s meter?

Many thanks for an interesing and informative message board.

george

2161. Re: [TS-520_820_530_830] ts520s tuning rf meter vs dl meter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-26 15:13:53 UTC
From: james27613@att.net
Topic: 2161 Message: 2161

Hi George,

Please see section in the manual for RF Volt adjustment,
you set the meter to read 2/3 scale for max rf out.

The adjustment is made from the side panel.

(page 14 for the ts-520 manual)

73 james ke4drn

Date: Mon, 26 Jul 2004 01:18:46 -0000
From: "georgesimmans" <simmans@...>
Subject: question on tuning 520S

Hi all,

My question relates to tuning a 520S into a dummy load.
I follow the manual procedure the last part of which states switch
to cw mode, set the meter switch to RF and flip the send
switch .quickly adjust both the plate and load to peak the meter.

well My dummy load has a watt meter and using this method I get 90
watts output but If I use the plate and load and maximise the output
wattage on my dummy load this is past the maximum deflection on the
520s meter, and shows just over 100w.

My question is is it safe to tune for maximum output on my watt
meter and ignore the 520s meter?

Many thanks for an interesing and informative message board.

george

2162. RE: [TS-520_820_530_830] question on tuning 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-26 08:09:20 UTC
From: Bill
Topic: 2160 Message: 2162

Won't make a hill of beans the extra 10 watts. However, your question depends. Depends
on which meter you trust more. Just make sure your SWR is reasonable and have at it.

K2WH

-----Original Message-----
From: georgesimmans [mailto:simmans@...]
Sent: Monday, July 26, 2004 7:19 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] question on tuning 520S

Hi all,

My question relates to tuning a 520S into a dummy load.
I follow the manual procedure the last part of which states switch to cw mode, set the meter switch to RF and flip the send switch .quickly adjust both the plate and load to peak the meter.

well My dummy load has a watt meter and using this method I get 90 watts output but If I use the plate and load and maximise the output wattage on my dummy load this is past the maximum deflection on the 520s meter, and shows just over 100w.

My question is is it safe to tune for maximum output on my watt meter and ignore the 520s meter?

Many thanks for an interesing and informative message board.

george

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* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

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[Non-text portions of this message have been removed]

2163. Re: [TS-520_820_530_830] question on tuning 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 02:03:53 UTC
From: Bill K0ZL
Topic: 2160 Message: 2163

go for the gold, whatever method you use, and stay
with that method. We can fret over ten watts, or get
on the air and have fun.

It's an interesting phenom, but I am not surprised.
Where the wattmeter is placed in the line has a lot to
do with variations like this.

bill

--- georgesimmans <simmans@...> wrote:
> Hi all,
>
> My question relates to tuning a 520S into a dummy
> load.
> I follow the manual procedure the last part of which
> states switch
> to cw mode, set the meter switch to RF and flip the
> send
> switch .quickly adjust both the plate and load to
> peak the meter.
>
> well My dummy load has a watt meter and using this
> method I get 90
> watts output but If I use the plate and load and
> maximise the output
> wattage on my dummy load this is past the maximum
> deflection on the
> 520s meter, and shows just over 100w.
>
> My question is is it safe to tune for maximum output
> on my watt
> meter and ignore the 520s meter?
>
> Many thanks for an interesing and informative
> message board.
>
> george
>
>

=====

"If in doubt, MODIFY" --k0zl

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2164. Re: [TS-520_820_530_830] question on tuning 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 02:15:46 UTC
From: simmans@datafast.net.au
Topic: 2160 Message: 2164

Thank you Bill.

I was only concerned that I may be transmitting slightly out of resonance
and thus shortening the life of the finals rather than any concern for
the extra 10 watts... many thanks for your comments.

> go for the gold, whatever method you use, and stay
> with that method. We can fret over ten watts, or get
> on the air and have fun.
>
> It's an interesting phenom, but I am not surprised.
> Where the wattmeter is placed in the line has a lot to
> do with variations like this.
>
> bill
>
> --- georgesimmans wrote:
> > Hi all,
> >
> > My question relates to tuning a 520S into a dummy
> > load.
> > I follow the manual procedure the last part of which
> > states switch
> > to cw mode, set the meter switch to RF and flip the
> > send
> > switch .quickly adjust both the plate and load to
> > peak the meter.
> >
> > well My dummy load has a watt meter and using this
> > method I get 90
> > watts output but If I use the plate and load and
> > maximise the output
> > wattage on my dummy load this is past the maximum
> > deflection on the
> > 520s meter, and shows just over 100w.
> >
> > My question is is it safe to tune for maximum output
> > on my watt
> > meter and ignore the 520s meter?
> >
> > Many thanks for an interesing and informative
> > message board.
> >
> > george
> >

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> =====
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> "If in doubt, MODIFY" --k0zl
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2165. HELP....Somehow let the "smoke out of the radio "

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 10:22:55 UTC
From: dynamic881964@yahoo.com
Topic: 2165 Message: 2165

Hi All,
Well, my friend was up last week, we planned to get on the hf bands with my 520s , G5RV, and MFJ 949D antenna tuner.
Tuned the rig up on 20m as per instructions in the Kenwood manual,first into the dummy load built into the MFJ, then into the antenna... George got
on the air, began calling CQ ...after about 20 mins,(Not continous, he called CQ for maybe 3 mins at a time then listened for replies) with no replies,
we switched the rig to 40m, again went through the complete tune up procedure as per the manual, and after about 20 sec. of him calling CQ, the panel lights dimmed and we began to smell smoke (though we didn't see any). Any idea's on what cooked and more importantly why ? We had the G5RV down to a 1:1 to 1 match on both bands so am sure that isn't the problem. The tubes are all new, and the finals are a matched set.
We let the rig cool down (?) turned it on with the heaters off, and no problems, it recieved as though nothing was wrong. Tried tuning it up again on 20M, with the same thing happening as before. Shut it off and upon checking saw that apparently before I got the rig, someone replaced a fuse with a 10 amp fuse. (Never crossed my mind to check the fuse until this happened.)
One other question, when tuning the rig up it tells you to turn up the carrier control until you get the proper ALC reading, which we did. It doesn't mention turning it back down in the tune up procedure, but we both assumed that running SSB , you would turn the carrier off and increase the Mic gain until you got the proper ALC reading. (?)
What did we do wrong or was it just time for some component to fail ?
Anyone know a good repair tech I can send the rig to ? Home QTH is Michigan.
THANKS in advance for ANY and ALL help !
73 for now,
Dave, KC8YOX

2166. TS-530sMeter not reading on RF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 14:23:59 UTC
From: Bob M
Topic: 2166 Message: 2166

I recently connected a AT-250 Auto Tuner to my 530s
Since then when Tuning up my Radio akk goes well
untill the last stage. Peaking the Load and Plate.

I get no deflection at all on the 530's meter either
with or without the tuner.

It has been sujested that a diode in the RF circuit
has blown does this sound right to you guys and is
it an easy replacement to do.

I am currentlt peaking for maximum poer output on the
tuners meter.

Regards
Bob M.
VK4HAY

2167. Re: [TS-520_820_530_830] HELP....Somehow let the "smoke out of the radio "

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 22:46:46 UTC
From: Bill K0ZL
Topic: 2165 Message: 2167

Dave,

put a 5 amp fuse in. If it blows, you have problems.

Note when it blows; and what you were doing at the
time (transmitting, carrier, about x watts out,
whatever).

If you are smelling smoke, I would guess most likely
it is a PA tube failing. There are several things that
will burn if this happens.

bill
I am in denver by the way.

b

--- dynamic881964@... wrote:

> Hi All,
> Well, my friend was up last week, we planned to get
> on the hf bands
> with my 520s , G5RV, and MFJ 949D antenna tuner.
> Tuned the rig up on 20m as per instructions in the
> Kenwood
> manual,first into the dummy load built into the MFJ,
> then into the
> antenna... George got
> on the air, began calling CQ ...after about 20
> mins,(Not continous,
> he called CQ for maybe 3 mins at a time then
> listened for replies)
> with no replies,
> we switched the rig to 40m, again went through the
> complete tune up
> procedure as per the manual, and after about 20 sec.
> of him calling
> CQ, the panel lights dimmed and we began to smell
> smoke (though we
> didn't see any). Any idea's on what cooked and more
> importantly
> why ? We had the G5RV down to a 1:1 to 1 match on
> both bands so am
> sure that isn't the problem. The tubes are all new,
> and the finals

> are a matched set.
> We let the rig cool down (?) turned it on with
> the heaters off,
> and no problems, it recieved as though nothing was
> wrong. Tried
> tuning it up again on 20M, with the same thing
> happening as before.
> Shut it off and upon checking saw that apparently
> before I got the
> rig, someone replaced a fuse with a 10 amp fuse. (
> Never crossed my
> mind to check the fuse until this happened.)
> One other question, when tuning the rig up it tells
> you to turn up
> the carrier control until you get the proper ALC
> reading, which we
> did. It doesn't mention turning it back down in the
> tune up
> procedure, but we both assumed that running SSB ,
> you would turn the
> carrier off and increase the Mic gain until you got
> the proper ALC
> reading. (?)
> What did we do wrong or was it just time for some
> component to fail ?
> Anyone know a good repair tech I can send the rig to
> ? Home QTH is
> Michigan.
> THANKS in advance for ANY and ALL help !
> 73 for now,
> Dave, KC8YOX
>
>

=====

"If in doubt, MODIFY" --k0zl

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2168. Re: [TS-520_820_530_830] TS-530sMeter not reading on RF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-27 22:51:42 UTC
From: Bill K0ZL
Topic: 2166 Message: 2168

The RF Meter pot in the back of the radio, upper right
side (left, if you are facing the back of the rig) may
just be dirty. move it a round a bit and you may see
deflection.

b

--- Bob M <baysideq@...> wrote:

> I recently connected a AT-250 Auto Tuner to my 530s
> Since then when Tuning up my Radio akk goes well
> untill the last stage. Peaking the Load and Plate.
>
> I get no deflection at all on the 530's meter either
> with or without the tuner.
>
> It has been sujested that a diode in the RF circuit
> has blown does this sound right to you guys and is
> it an easy replacement to do.
>
> I am currentlt peaking for maximum poer output on
> the
> tuners meter.
>
> Regards
> Bob M.
> VK4HAY
>
>

=====

"If in doubt, MODIFY" --k0zl

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2169. TS-520SE VFO dial bulbs burned out

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 03:37:03 UTC
From: grc1939@excite.com
Topic: 2169 Message: 2169

Hello All,
I recently acquired a TS-520SE. It appears that the two bulbs for the VFO dial are burned out. I noticed that there are several postings that refer to replacing the meter bulbs but not much information about replacing the VFO bulbs. Does anyone have any ideas about how to replace the VFO bulbs? They appear to be much more difficult to remove than the meter bulbs. Even removing the front panel does not look like it would be any help. The top VFO bracket is the problem. Message 1266 describes cutting the back off the grommets to allow removal of the old bulbs and provide a hole big enough for inserting the new bulbs. Is there some kind of device that could be used cut the back off the grommets under the bracket? If this could be done, it appears that installing the new bulbs would be relatively easy. Thanks for your help.
Glenn W8EXX

_____
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2170. Re: TS-530sMeter not reading on RF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 12:11:46 UTC
From: Bob M
Topic: 2166 Message: 2170

Bill as usuall you are a gem.

It wasn't dirty but while moving the 530s around I must have knocked
the pot to a lower setting almost off, I have adjusted it to 2/3rds
RF meter when in CW and using the Send/rec toggle switch.

IS that the proper range and can you please explain to me what it is
used for and purpose.

Regards
Bob M.
VK4HAY

-- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> The RF Meter pot in the back of the radio, upper right
> side (left, if you are facing the back of the rig) may
> just be dirty. move it a round a bit and you may see
> deflection.
>
> b
>
> --- Bob M <baysideq@h...> wrote:
>
> > I recently connected a AT-250 Auto Tuner to my 530s
> > Since then when Tuning up my Radio akk goes well
> > untill the last stage. Peaking the Load and Plate.
> >
> > I get no deflection at all on the 530's meter either
> > with or without the tuner.
> >
> > It has been sujested that a diode in the RF circuit
> > has blown does this sound right to you guys and is
> > it an easy replacement to do.
> >
> > I am currentlt peaking for maximum poer output on
> > the
> > tuners meter.
> >
> > Regards
> > Bob M.
> > VK4HAY
> >
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>
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>
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2171. Notch filter for the TS-530s??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 12:17:37 UTC
From: Bob M
Topic: 2171 Message: 2171

Is there a Kenwood notch filter available for fitting into the 530s

If not is there a basic one that I could build for it.

I have a 80mtr net on 3.580.0 on thursday nights and almost every week I am hounded by a 50/60 cycle harmonics if the net moves 5k's either side i can deal with it but most weeks they will not move due to band clutter.

It has been sugested that a notch filter will help me.

Open to any and all Help.

Regards
Bob M.
VK4HAY

2172. Re: [TS-520_820_530_830] Re: TS-530sMeter not reading on RF

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 20:13:10 UTC
From: Bill K0ZL
Topic: 2166 Message: 2172

It's strictly a relative RF voltmeter; set it
whereever you want. 2/3 full scale at 100 watts into
50 ohm load is good... if you have excessive SWR, the
meter will read much higher. My limit is: when the
meter is set to 2/3 into a dummy and it goes full
scale on the antenna, check the swr!

b

--- Bob M <baysideq@...> wrote:

> Bill as usuall you are a gem.
>
> It wasn't dirty but while moving the 530s around I
> must have knocked
> the pot to a lower setting almost off, I have
> adjusted it to 2/3rds
> RF meter when in CW and using the Send/rec toggle
> switch.
>
> IS that the proper range and can you please explain
> to me what it is
> used for and purpose.
>
> Regards
> Bob M.
> VK4HAY
>
> -- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > The RF Meter pot in the back of the radio, upper
> right
> > side (left, if you are facing the back of the rig)
> may
> > just be dirty. move it a round a bit and you may
> see
> > deflection.
> >
> > b
> >
> > --- Bob M <baysideq@h...> wrote:
> >
> > > I recently connected a AT-250 Auto Tuner to my
> 530s
> > > Since then when Tuning up my Radio akk goes well

> > > untill the last stage. Peaking the Load and
> Plate.
> > >
> > > I get no deflection at all on the 530's meter
> either
> > > with or without the tuner.
> > >
> > > It has been sujested that a diode in the RF
> circuit
> > > has blown does this sound right to you guys and
> is
> > > it an easy replacement to do.
> > >
> > > I am currentlt peaking for maximum poer output
> on
> > > the
> > > tuners meter.
> > >
> > > Regards
> > > Bob M.
> > > VK4HAY
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
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2173. Re: [TS-520_820_530_830] Notch filter for the TS-530s??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 20:15:13 UTC
From: Bill K0ZL
Topic: 2171 Message: 2173

Try one of those SCAF audio filters... I think MFJ
makes one. I don't know if an IF notch filter would
help as it would have to be pretty sharp to catch
stuff close in, and you would need multiple filters to
catch all the little carriers.

Have you tried locating the noise source? Most of mine
were or are switching power supplies in my own house.

b

--- Bob M <baysideq@...> wrote:

> Is there a Kenwood notch filter available for
> fitting into the 530s
>
> If not is there a basic one that I could build for
> it.
>
> I have a 80mtr net on 3.580.0 on thursday nights and
> almost every
> week I am hounded by a 50/60 cycle harmonics if the
> net moves 5k's
> either side i can deal with it but most weeks they
> will not move due
> to band clutter.
>
> It has been sugested that a notch filter will help
> me.
>
> Open to any and all Help.
>
>
> Regards
> Bob M.
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>
>

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2174. (no subject)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-29 21:06:22 UTC
From: Keith V
Topic: 2174 Message: 2174

Hey Bill, do you use any type of outboard DSP with your 850? I'm mostly interested in Noise reduction.

Hope you had a good time pickin n yackin last week-end.

Van,
KL7TDZ

2175. Re: Notch filter for the TS-530s??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-30 03:26:18 UTC
From: pchapman9202003
Topic: 2171 Message: 2175

Idiom Press does a SCAF filter at $90.00 US in kit and I think $130.00 assembled. Eham.net has a lot of good refs on it and I have waffled myself to death with the limited budget on what to do, but looks like what I will probably settle on. Talked to the guy there and says it is no issue at all driving speakers, which is the problem I have with the old stuff around here which is headphone only. They have recorded demos on their site, although I always take them with a grain of salt. Email the users from eham. net or talk to them personal would be my advice.

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Try one of those SCAF audio filters... I think MFJ
> makes one. I don't know if an IF notch filter would
> help as it would have to be pretty sharp to catch
> stuff close in, and you would need multiple filters to
> catch all the little carriers.
>
> Have you tried locating the noise source? Most of mine
> were or are switching power supplies in my own house.
>
> b
>
> --- Bob M <baysideq@h...> wrote:
>
> > Is there a Kenwood notch filter available for
> > fitting into the 530s
> >
> > If not is there a basic one that I could build for
> > it.
> >
> > I have a 80mtr net on 3.580.0 on thursday nights and
> > almost every
> > week I am hounded by a 50/60 cycle harmonics if the
> > net moves 5k's
> > either side i can deal with it but most weeks they
> > will not move due
> > to band clutter.
> >
> > It has been sugested that a notch filter will help
> > me.
> >
> > Open to any and all Help.
> >
> >

> > Regards
> > Bob M.
> > VK4HAY
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2176. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-30 13:10:34 UTC
From: Bill K0ZL
Topic: 2174 Message: 2176

Hi Keith!

Yes we did, forgot the guitar but that's ok... still
had fun.

Doing it again this weekend.

we like to go up on weekdays; have the entire mtns to
ourselves, hi.

No DSP; I just go to narrow filter modes if the noise
gets too bad.

b

--- Keith V <kavan@...> wrote:

> Hey Bill, do you use any type of outboard DSP with
> your 850? I'm mostly
> interested in Noise reduction.
>
> Hope you had a good time pickin n yackin last
> week-end.
>
> Van,
> KL7TDZ
>
>

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"If in doubt, MODIFY" --k0zl

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2177. Ts-520S Display gone! Help.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-30 22:39:29 UTC
From: Bob
Topic: 2177 Message: 2177

Have resoldered all the connections on both boards but get only
9mhz/19mhz 29mhz on display..... any help wecome
Has any one a copy of the circuit diagram, for the counter unit that
they could email me as a PDF file??

Bob
G0NGG

2178. RE: [TS-520_820_530_830] Ts-520S Display gone! Help.....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-31 13:23:24 UTC
From: Bill
Topic: 2177 Message: 2178

The 820 service manual states the following:

Symptom: The counter malfunctions.

Condition: Display becomes 9.000.0, 19.000.0, 29.000.0

Service Point: No input is applied to counter circuit.

Cause: Defect around 7.83mhz mixer circuit
Defect around SN76514N mixer circuit
Defect parts in LPF circuit
Defect wide band amplifier Q5 ~ Q8

K2WH

-----Original Message-----
From: Bob [mailto:shower@...]
Sent: Saturday, July 31, 2004 4:39 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Ts-520S Display gone! Help.....

Have resoldered all the connections on both boards but get only
9mhz/19mhz 29mhz on display.............. any help wecome
Has any one a copy of the circuit diagram, for the counter unit that
they could email me as a PDF file??

Bob
G0NGG

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<http://us.ard.yahoo.com/SIG=129q36p54/M=295196.4901138.6071305.3001176/
D=groups/S=1705063108:HM/EXP=1091313575/A=2128215/R=0/SIG=10se96mf6/*htt
p://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
s/S=:HM/A=2128215/rand=462000214>

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[Non-text portions of this message have been removed]

2179. 830s tuneup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-31 02:46:56 UTC
From: carboncarolina78
Topic: 2179 Message: 2179

Hello,
I just signed on as a new member last week and have a question.
I see in the file section K1cz has drawn up a tuning procedure for an 820s. Would this be basically the same procedure for an 830s as I recently purchased a very nice one? I'm still a Tech, but passed my General written and am working on code now. I'm sort of out in the boondocks and don't have anyone real handy to help. I've put up a 300= foot horizontal loop and it seems to receive quite well. As soon as I turned it on I got a good listen to a mobile on I-15 near Payson Utah from here in Bradford County, PA on ten meters.

2180. Re: [TS-520_820_530_830] TS8302 Tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-31 13:31:41 UTC
From: james27613@att.net
Topic: 2180 Message: 2180

Hi,

Yes, you will find most tube type amplifer radios
use similar procedures.

I remember Drive Plate Load and also keep a
copy of the tuneup section in a plastic protector
near the radio.

Enjoy the 830 !

73 james ke4drn

From: "carboncarolina78" <setaf@...>
Subject: 830s tuneup

Hello,
I just signed on as a new member last week and have a question.
I see in the file section K1cz has drawn up a tuning procedure for an
820s. Would this be basically the same procedure for an 830s as I
recently purchased a very nice one? I'm still a Tech, but passed my
General written and am working on code now. I'm sort of out in the
boondocks and don't have anyone real handy to help. I've put up a
300= foot horizontal loop and it seems to receive quite well. As soon
as I turned it on I got a good listen to a mobile on I-15 near Payson
Utah from here in Bradford County, PA on ten meters.

2181. Re: [TS-520_820_530_830] 830s tuneup

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-31 14:38:35 UTC
From: Bill K0ZL
Topic: 2179 Message: 2181

Wow, what a blessing to catch a 10 meter opening right
off the bat like that!

Yes the tuning procedure for all of the hybrid
(transistor/tube) rigs is the same, pretty much.

Make sure you use an SWR bridge to check that antenna
at low power before using it. You want your SWR to be
less than 3:1 on your favorite frequencies. You may
need a tuner with it, or cut an antenna just for one
band to get going.

Welcome to the group, by the way.

73,

Bill K0ZL

--- carboncarolina78 <setaf@...> wrote:

> Hello,
> I just signed on as a new member last week and
> have a question.
> I see in the file section K1cz has drawn up a tuning
> procedure for an
> 820s. Would this be basically the same procedure for
> an 830s as I
> recently purchased a very nice one? I'm still a
> Tech, but passed my
> General written and am working on code now. I'm sort
> of out in the
> boondocks and don't have anyone real handy to help.
> I've put up a
> 300= foot horizontal loop and it seems to receive
> quite well. As soon
> as I turned it on I got a good listen to a mobile on
> I-15 near Payson
> Utah from here in Bradford County, PA on ten meters.
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2182. Re: [TS-520_820_530_830] TS8302 Tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-07-31 18:15:07 UTC
From: Steve Hall
Topic: 2180 Message: 2182

Thanks to both you and K0ZL for the replies. I have a good friend who's had his ticket since 1957?, who recommended the 500/800 series as a good used HF rig. Unfortunately he's in Utah and not very available. Even though I'm very new and green at this, I like the idea of working a little for results, and figure it has to be somewhat fun versus just pushing a couple of buttons and off we go. :-) My first radio was a Kenwood 7400 and I've been totally impressed, Dan recommended that one too...built like a tank and solid! I have a 2 meter handheld which has PL capability etc., but I still like that 7400! Now I have am MFJ 9406 coming from an old ham out in MO. It's fresh from being gone over and retuned etc. and though I couldn't initially afford it, he cut me a break, because he said he's been a ham for 54 years...didn't have a "lot" of time left and was glad it seemed to be going to a good home where I would put it to good use. Some (most) of the vocal 6 meter group doesn't have much good to say about it, but all the reviews at Eham.net were quite favorable. I guess we'll see. I'm 47 and still remember my dad's old Hallicrafters receiver in my room as a kid. I'd turn it on and listen to all the foreign stations and the CW, with that big green glow at night. He would check his watch every morning according to GMT before he'd go to work. One day it literally got tossed out the window when I was overseas in the army as it caught fire. However he still had a National NC57 which I'm getting restored. My grandfather was a telegrapher for the Lehigh Valley Railroad and I found out later was also the neighborhood radio repairman. Hopefully I've been blessed with some of those genes also. By the way, I do have an antenna tuner for that setup I have.
Thanks again,
Steve
KB3IOJ
----- Original Message -----
From: james27613@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, July 31, 2004 9:31 AM
Subject: Re: [TS-520_820_530_830] TS8302 Tune

Hi,

Yes, you will find most tube type amplifer radios
use similar procedures.

I remember Drive Plate Load and also keep a
copy of the tuneup section in a plastic protector
near the radio.

Enjoy the 830 !

73 james ke4drn

From: "carboncarolina78" <setaf@...>
Subject: 830s tuneup

Hello,
I just signed on as a new member last week and have a question.

I see in the file section K1cz has drawn up a tuning procedure for an 820s. Would this be basically the same procedure for an 830s as I recently purchased a very nice one? I'm still a Tech, but passed my General written and am working on code now. I'm sort of out in the boondocks and don't have anyone real handy to help. I've put up a 300= foot horizontal loop and it seems to receive quite well. As soon as I turned it on I got a good listen to a mobile on I-15 near Payson Utah from here in Bradford County, PA on ten meters.

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[Non-text portions of this message have been removed]

2183. Re: [TS-520_820_530_830] TS8302 Tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-01 02:18:27 UTC
From: Bill K0ZL
Topic: 2180 Message: 2183

Hi STeve, well sounds like you are well on the way to
appreciating thermionic emission devices, or FETS that
glow in the dark, hi...

b

--- Steve Hall <setaf@...> wrote:

> Thanks to both you and K0ZL for the replies. I have
> a good friend who's had his ticket since 1957?, who
> recommended the 500/800 series as a good used HF
> rig. Unfortunately he's in Utah and not very
> available. Even though I'm very new and green at
> this, I like the idea of working a little for
> results, and figure it has to be somewhat fun versus
> just pushing a couple of buttons and off we go. :-)
> My first radio was a Kenwood 7400 and I've been
> totally impressed, Dan recommended that one
> too...built like a tank and solid! I have a 2 meter
> handheld which has PL capability etc., but I still
> like that 7400! Now I have am MFJ 9406 coming from
> an old ham out in MO. It's fresh from being gone
> over and retuned etc. and though I couldn't
> initially afford it, he cut me a break, because he
> said he's been a ham for 54 years...didn't have a
> "lot" of time left and was glad it seemed to be
> going to a good home where I would put it to good
> use. Some (most) of the vocal 6 meter group doesn't
> have much good to say about it, but all the reviews
> at Eham.net were quite favorable. I guess we'll see.
> I'm 47 and still remember my dad's old Hallicrafters
> receiver in my room as a kid. I'd turn it on and
> listen to all the foreign stations and the CW, with
> that big green glow at night. He would check his
> watch every morning according to GMT before he'd go
> to work. One day it literally got tossed out the
> window when I was overseas in the army as it caught
> fire. However he still had a National NC57 which I'm
> getting restored. My grandfather was a telegrapher
> for the Lehigh Valley Railroad and I found out later
> was also the neighborhood radio repairman. Hopefully
> I've been blessed with some of those genes also. By
> the way, I do have an antenna tuner for that setup I
> have.
> Thanks again,
> Steve

> KB3IOJ
> ----- Original Message -----
> From: james27613@...
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, July 31, 2004 9:31 AM
> Subject: Re: [TS-520_820_530_830] TS8302 Tune
>
>
> Hi,
>
> Yes, you will find most tube type amplifer radios
> use similar procedures.
>
> I remember Drive Plate Load and also keep a
> copy of the tuneup section in a plastic protector
> near the radio.
>
> Enjoy the 830 !
>
> 73 james ke4drn
>
>
> From: "carboncarolina78" <setaf@...>
> Subject: 830s tuneup
>
> Hello,
> I just signed on as a new member last week
> and have a question.
> I see in the file section K1cz has drawn up a
> tuning procedure for an
> 820s. Would this be basically the same procedure
> for an 830s as I
> recently purchased a very nice one? I'm still a
> Tech, but passed my
> General written and am working on code now. I'm
> sort of out in the
> boondocks and don't have anyone real handy to
> help. I've put up a
> 300= foot horizontal loop and it seems to receive
> quite well. As soon
> as I turned it on I got a good listen to a mobile
> on I-15 near Payson
> Utah from here in Bradford County, PA on ten
> meters.
>
>
>
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2184. ts530s s metre setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-04 07:47:01 UTC
From: blobby12uk
Topic: 2184 Message: 2184

Can any one tell me how many microvolts should give s1 and s9 on the
s metre,into the antenna socket.I believe that this should be done on
14.174mhz ,adjusting L8 and VR2 respectivley.
Regards
Bob/G7JHW

2185. Re: [TS-520_820_530_830] ts530s s metre setting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-04 14:56:16 UTC
From: Bill K0ZL
Topic: 2184 Message: 2185

50uV for S9, and S1 can be a quiet part of 10 meters,
on a short piece of wire in the house. Tune off any
carriers from computers etc.

I turn the S0 setting so the needle just comes off the
peg with anything connected to the antenna connector.

b

--- blobby12uk <g7jhw@...> wrote:

> Can any one tell me how many microvolts should give
> s1 and s9 on the
> s metre,into the antenna socket.I believe that this
> should be done on
> 14.174mhz ,adjusting L8 and VR2 respectivley.
> Regards
> Bob/G7JHW
>
>

=====

"If in doubt, MODIFY" --k0zl

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2186. Kenwood TV-506 6 Meter Transverter Manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 00:15:11 UTC
From: james27613
Topic: 2186 Message: 2186

Hello,

Anyone have the operations manual for the
6 meter transverter tv-506 ?

I checked http://mods.dk but not there.

I just need to know the frequency to set
on the ts-520 to use the 6m tv-506.

73 james ke4drn

2187. Re: Kenwood TV-506 6 Meter Transverter Manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 12:01:49 UTC
From: Mike Donovan
Topic: 2186 Message: 2187

---> My reply to what TS-520_820_530_830 wrote 8/5/2004 6:55:23 AM

You would set the 520 to the 28.000 band. 28.100 would give you 144.100 output
(assuming you have the switch on the 506 set to the 144 range) and so on.
28.200 will give you output of 144.200.

Mike KU4ZD

Subject: Kenwood TV-506 6 Meter Transverter Manual

Hello,

Anyone have the operations manual for the
6 meter transverter tv-506 ?

I checked http://mods.dk but not there.

I just need to know the frequency to set
on the ts-520 to use the 6m tv-506.

73 james ke4drn

[Some portions of this message may have been removed]

---------- Original Message Ends ----------

[Non-text portions of this message have been removed]

2188. For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 15:19:47 UTC
From: Charles D. Feigley Sr
Topic: 186 Message: 2188

Hello,
I have the folowing I would like to sell:
1:- Kenwood TS-520S transceiver.Comes with a
Shure 444 desk mic, 2 extra sets of finals, 1 extra
driver,and the operaters and service manual. Allso
comes with the VFO shorting plug and the octal
accesery plug set up to key a external amp.
$250.00 plus shipping
2:- Kenwood VFO-520S
$75.00 plus shipping
3:- Kenwood SP-520
$55.00 plus shipping
4:- Almost All Digital Electronics C-520 Digital Display
for the TS-520S. Reads to 5 places past the dot.
Example 14.300.00 And shows what mode you are
in. Cost on this was $150.00. Will only sell after radio
has been sold.
$100.00 plus shipping
5:- 3 spare dial/s meter lamps. These are the direct replacement for
the
factory bulbs.
$10.00 plus shipping
6:- 5 sets of 2 riser feet and screws
$3.00 a set plus shipping
7:- Autek Reasearch QF-1A SSB/AM/CW
audio filter with instructions.
$25.00 plus shipping
This is my present working station and everything
is working 100%.
I want to Buy a new new radio so this setup has to go.
Please reply offline.
Thank You,
Charlie W4CDF

2189. RE :For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 19:41:16 UTC
From: w4cdf@earthlink.net
Topic: 2189 Message: 2189

All Of the riser feet have been spoken for.
Thanks,
Charlie

2190. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 09:40:11 UTC
From: Bill
Topic: 186 Message: 2190

I will take (2) sets of riser feet. Please let me know where to send
money etc.

K2WH

-----Original Message-----
From: Charles D. Feigley Sr [mailto:w4cdf@...]
Sent: Thursday, August 05, 2004 21:20 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] For Sale

Hello,
I have the folowing I would like to sell:
1:- Kenwood TS-520S transceiver.Comes with a
Shure 444 desk mic, 2 extra sets of finals, 1 extra
driver,and the operaters and service manual. Allso
comes with the VFO shorting plug and the octal
accesery plug set up to key a external amp.
$250.00 plus shipping
2:- Kenwood VFO-520S
$75.00 plus shipping
3:- Kenwood SP-520
$55.00 plus shipping
4:- Almost All Digital Electronics C-520 Digital Display
for the TS-520S. Reads to 5 places past the dot.
Example 14.300.00 And shows what mode you are
in. Cost on this was $150.00. Will only sell after radio
has been sold.
$100.00 plus shipping
5:- 3 spare dial/s meter lamps. These are the direct replacement for
the
factory bulbs.
$10.00 plus shipping
6:- 5 sets of 2 riser feet and screws
$3.00 a set plus shipping
7:- Autek Reasearch QF-1A SSB/AM/CW
audio filter with instructions.
$25.00 plus shipping
This is my present working station and everything
is working 100%.
I want to Buy a new new radio so this setup has to go.
Please reply offline.
Thank You,
Charlie W4CDF

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<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=240928840>

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[Non-text portions of this message have been removed]

2191. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 09:40:52 UTC
From: Bill
Topic: 186 Message: 2191

Correction, I will take all the riser feet, all (5) sets.

K2WH

-----Original Message-----
From: Charles D. Feigley Sr [mailto:w4cdf@...]
Sent: Thursday, August 05, 2004 21:20 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] For Sale

Hello,
I have the folowing I would like to sell:
1:- Kenwood TS-520S transceiver.Comes with a
Shure 444 desk mic, 2 extra sets of finals, 1 extra
driver,and the operaters and service manual. Allso
comes with the VFO shorting plug and the octal
accesery plug set up to key a external amp.
$250.00 plus shipping
2:- Kenwood VFO-520S
$75.00 plus shipping
3:- Kenwood SP-520
$55.00 plus shipping
4:- Almost All Digital Electronics C-520 Digital Display
for the TS-520S. Reads to 5 places past the dot.
Example 14.300.00 And shows what mode you are
in. Cost on this was $150.00. Will only sell after radio
has been sold.
$100.00 plus shipping
5:- 3 spare dial/s meter lamps. These are the direct replacement for
the
factory bulbs.
$10.00 plus shipping
6:- 5 sets of 2 riser feet and screws
$3.00 a set plus shipping
7:- Autek Reasearch QF-1A SSB/AM/CW
audio filter with instructions.
$25.00 plus shipping
This is my present working station and everything
is working 100%.
I want to Buy a new new radio so this setup has to go.
Please reply offline.
Thank You,
Charlie W4CDF

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[Non-text portions of this message have been removed]

2192. Re: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 19:45:01 UTC
From: w4cdf@earthlink.net
Topic: 186 Message: 2192

Hello Bill,
2 sets are yours. Send a money order, check, or watever for $ 6.00 and a couple of bucks for shipping
to:
Charles D. Feigley Sr.
6260 W. Oaklawn ST.
Homosassa, Florida 34446
Thanks,
Charlie W4CDF

2193. Re: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 19:46:53 UTC
From: w4cdf@earthlink.net
Topic: 186 Message: 2193

Hello Bill,
I only have 2 sets left. Sorry.
Thanks charlie

2194. Re: [TS-520_820_530_830] Re: Kenwood TV-506 6 Meter Transverter Manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 20:38:36 UTC
From: bunny-dawg
Topic: 2186 Message: 2194

I've been looking thru the manuals i have on hand and
have only found the tv-502. What rig is the tv-506
used on ?
Robert
VE3MNK
--- Mike Donovan <ku4zd@...> wrote:

> ---> My reply to what TS-520_820_530_830 wrote
> 8/5/2004 6:55:23 AM
>
> You would set the 520 to the 28.000 band. 28.100
> would give you 144.100 output
> (assuming you have the switch on the 506 set to the
> 144 range) and so on.
> 28.200 will give you output of 144.200.
>
> Mike KU4ZD
>
>
> Subject: Kenwood TV-506 6 Meter Transverter Manual
>
> Hello,
>
> Anyone have the operations manual for the
> 6 meter transverter tv-506 ?
>
> I checked http://mods.dk but not there.
>
> I just need to know the frequency to set
> on the ts-520 to use the 6m tv-506.
>
> 73 james ke4drn
>
>
> [Some portions of this message may have been
> removed]
>
> ---------------------- Original Message Ends
> ------------------------
>
>
>
>
> [Non-text portions of this message have been

> removed]
>
>

=====
I am a disabled ham, equipment/parts donations gratefully accepted.
My website which is very much under construction is
http://www3.sympatico.ca/r.heenan/index.htm
Take care
VE3MNK

Do you Yahoo!?
Yahoo! Mail is new and improved - Check it out!
http://promotions.yahoo.com/new_mail

2195. Re: Kenwood TV-506 6 Meter Transverter Manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 20:50:58 UTC
From: Brent Baum
Topic: 2186 Message: 2195

The TV-506 is used with the TS-520 or TS-520S (and similar), and is the 6 meter transverter (50 MHz). The TV-502 is the 2 meter transverter. Easy to use, set your big rig to any of the 10 meter (28 MHz)channels using the frequency selector switch. 50.xxx plus the digits after the decimal point on the frequency readout will be your tx/rx frequency, i.e. 28.474 will translate to 50.474, 29.311 is 51.311, etc.

By the way the TV-50X series transverters will not work with a TS-520SE in stock condition. I'm in the middle of making modifications to my SE to change that situation.

I'll check for a manual when I get home this evening.

73 de Brent, K7MEI, proud owner of a nice, but so far inanimate, TV-506.

--- In TS-520_820_530_830@yahoogroups.com, "james27613" <james27613@a...> wrote:
> Hello,
>
> Anyone have the operations manual for the
> 6 meter transverter tv-506 ?
>
> I checked http://mods.dk but not there.
>
> I just need to know the frequency to set
> on the ts-520 to use the 6m tv-506.
>
> 73 james ke4drn

2196. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 11:47:59 UTC
From: Bill
Topic: 186 Message: 2196

Charlie,

I don't know if you got my second email. I would like to take all (5)
sets
off your hands.

Bill
K2WH

-----Original Message-----
From: w4cdf@... [mailto:w4cdf@...]
Sent: Friday, August 06, 2004 1:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] For Sale

Hello Bill,
2 sets are yours. Send a money order, check, or watever for $ 6.00 and
a
couple of bucks for shipping
to:
Charles D. Feigley Sr.
6260 W. Oaklawn ST.
Homosassa, Florida 34446
Thanks,
Charlie W4CDF

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<http://us.ard.yahoo.com/SIG=129r8a84l/M=295196.4901138.6071305.3001176/
D=groups/S=1705063108:HM/EXP=1091821408/A=2128215/R=0/SIG=10se96mf6/*htt
p://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
s/S=:HM/A=2128215/rand=888154137>

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be>

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[Non-text portions of this message have been removed]

2197. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 11:48:58 UTC
From: Bill
Topic: 186 Message: 2197

Charlie,

Ok only 2 sets. Got it. Our emails are passing one another.
I will send out M.O. asap.

Thanks,
K2WH

-----Original Message-----
From: w4cdf@... [mailto:w4cdf@...]
Sent: Friday, August 06, 2004 1:47 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] For Sale

Hello Bill,
I only have 2 sets left. Sorry.
Thanks charlie

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<http://us.ard.yahoo.com/SIG=129q6a7lm/M=295196.4901138.6071305.3001176/D=groups/S=1705063108:HM/EXP=1091821500/A=2128215/R=0/SIG=10se96mf6/*http://companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=214034881>

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<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

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[Non-text portions of this message have been removed]

2198. RE: For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 22:04:15 UTC
From: Charles D. Feigley Sr
Topic: 186 Message: 2198

Hello All,
The VFO-520S, The Autek QF-1A, and all of the riser feet
have been spoken for.
Thank You,
Charlie

2199. Re: Kenwood TV-506 6 Meter Transverter Manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-05 22:07:14 UTC
From: james27613
Topic: 2186 Message: 2199

Hi Mike,

Thank you for the correct frequency, I appreciate it !

73 james ke4drn

--- In TS-520_820_530_830@yahoogroups.com, Mike Donovan <ku4zd@a...>
wrote:
> ---> My reply to what TS-520_820_530_830 wrote 8/5/2004 6:55:23 AM
>
> You would set the 520 to the 28.000 band. 28.100 would give you
144.100 output
> (assuming you have the switch on the 506 set to the 144 range) and
so on.
> 28.200 will give you output of 144.200.
>
> Mike KU4ZD
>
>
> Subject: Kenwood TV-506 6 Meter Transverter Manual
>
> Hello,
>
> Anyone have the operations manual for the
> 6 meter transverter tv-506 ?
>
> I checked http://mods.dk but not there.
>
> I just need to know the frequency to set
> on the ts-520 to use the 6m tv-506.
>
> 73 james ke4drn
>
>
> [Some portions of this message may have been removed]
>
> ---------------------- Original Message Ends ----------------------
-
>
>
>
>
> [Non-text portions of this message have been removed]

2200. TS 520s and ts 530s low power

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-06 01:45:47 UTC
From: junkyardham
Topic: 2200 Message: 2200

hello all,

I've read a few things around about operating low power SSB on these rigs,(I have an amplified TV antenna in the attic next to an 80 meter slinky dipole), but I'm still stuck with a few unresolved questions...

1. The schematics I've seen say to use a 220k ohm variable resistor in circuit with a 9 volt battery to inject a negative voltage into the ALC input on the back of the rig

2. Another place said to use a 5 or 10k ohm pot in this circuit

which one is it or will both work, just at different levels and precision of control?

3. One message I saw said that the guy had trouble with some capacitors overheating when using low power. Is that a problem with the SSB mod or just the CW technique of lowering the "car" setting?

thanks
Roll
WB3LFH

2201. Re: [TS-520_820_530_830] TS 520s and ts 530s low power

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-06 21:31:45 UTC
From: Bill K0ZL
Topic: 2200 Message: 2201

Have never heard of problems with components overheating at low power

b

junkyardham <filenet@...> wrote:
hello all,

I've read a few things around about operating low power SSB on these
rigs,(I have an amplified TV antenna in the attic next to an 80 meter
slinky dipole), but I'm still stuck with a few unresolved questions...

1. The schematics I've seen say to use a 220k ohm variable resistor in
circuit with a 9 volt battery to inject a negative voltage into
the ALC input on the back of the rig

2. Another place said to use a 5 or 10k ohm pot in this circuit

which one is it or will both work, just at different levels and
precision of control?

3. One message I saw said that the guy had trouble with some
capacitors overheating when using low power. Is that a problem with
the SSB mod or just the CW technique of lowering the "car" setting?

thanks
Roll
WB3LFH

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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2202. DG-5 Digital Display displaying random numbers on 10 meters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-07 15:51:31 UTC
From: grc1939@excite.com
Topic: 2202 Message: 2202

Hello Everyone,
I recently acquired a DG-5 Digital Display to go with my TS-520SE. It displays constantly changing random numbers when the TS-520SE Band switch is in the 28 and 28.5 positions. It displays properly on all other Band switch positions including 29.1. I was not able to get the original cables so I am using standard Radio Shack type patch cables with RCA phono plugs. Can anyone provide any information on how to get the display working properly on all bands? Could the cables I am using be a problem? Thanks.
Glenn, W8EXX

_____
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2203. TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-08 03:13:39 UTC
From: au20061
Topic: 2203 Message: 2203

I just received an 830 and it receives great......is right on frequency.....and loads up to 100 watts plus. I also got a good audio report on my first contact. The problem that has developed is erratic alc on tuneup. The alc seems very jumpy. As you turn the carrier control it goes from zero to past the alc scale in a quick jump. The rig will tune up and work and then alc will drop to zero.

I have not checked anything yet. I will clean the switches first and then check the tubes. Anything other ideas to lead me to the problem.

Thanks

Tom

2204. Re: TS-520SE VFO dial bulbs burned out

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-08 13:06:02 UTC
From: Glenn Crawford
Topic: 2169 Message: 2204

Hello again,
I have replaced the bulbs. Removing the front panel did help. I was able to remove the old burned out bulbs by carefully pulling them through from the front with tweezers. However, in the process of cutting off the back of the grommets, I damaged one of them. It is still usable but somewhat mangled. This was caused by trying to learn the best way to do it. When I used an Xacto knife, it came right off. Does anyone know a source for these grommets? Thanks.
Glenn, W8EXX

--- In TS-520_820_530_830@yahoogroups.com, "" <grc1939@e...> wrote:
>
> Hello All,
> I recently acquired a TS-520SE. It appears that the two bulbs for the VFO dial are burned out. I noticed that there are several postings that refer to replacing the meter bulbs but not much information about replacing the VFO bulbs. Does anyone have any ideas about how to replace the VFO bulbs? They appear to be much more difficult to remove than the meter bulbs. Even removing the front panel does not look like it would be any help. The top VFO bracket is the problem. Message 1266 describes cutting the back off the grommets to allow removal of the old bulbs and provide a hole big enough for inserting the new bulbs. Is there some kind of device that could be used cut the back off the grommets under the bracket? If this could be done, it appears that installing the new bulbs would be relatively easy. Thanks for your help.
> Glenn W8EXX
>
>
>
>
>
> _____
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2205. Re: [TS-520_820_530_830] TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-08 19:20:22 UTC
From: Bill K0ZL
Topic: 2203 Message: 2205

Could be dirty carrier control, or broken bandswitch
coupling, or oscillating driver tube, in that order.

b

--- au20061 <au2006@...> wrote:

> I just received an 830 and it receives great......is
> right on
> frequency.....and loads up to 100 watts plus. I also
> got a good
> audio report on my first contact. The problem that
> has developed is
> erratic alc on tuneup. The alc seems very jumpy. As
> you turn the
> carrier control it goes from zero to past the alc
> scale in a quick
> jump. The rig will tune up and work and then alc
> will drop to zero.
>
> I have not checked anything yet. I will clean the
> switches first and
> then check the tubes. Anything other ideas to lead
> me to the problem.
>
> Thanks
>
> Tom
>
>

=====

"If in doubt, MODIFY" --k0zl

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2206. FS: GE NOS 6146B's & GE NOS 7094's (sub for 12BY7A)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-10 21:13:59 UTC
From: kzerokav
Topic: 2206 Message: 2206

Matched pair NOS GE 6146B tubes in GE box'es, $40+ $4 shipping
Conus. NOS GE 7094 tubes (sub for 12BY7A)$6 shipped Conus.

Contact Van, KL7TDZ direct at:

kavan@...

2207. FS: Kenwood MC-35S Noise Cancelling Hand Mic.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-10 21:15:57 UTC
From: kzerokav
Topic: 2207 Message: 2207

Absolutely like new in all respects. Works great w/great audio.
$30 shipped Conus.

Contact Van, KL7TDZ direct:

kavan@...

2208. Station Recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-12 01:40:51 UTC
From: DW
Topic: 2208 Message: 2208

Hey All,

I've been lurking about for a while, but it looks like it may be time to get active. Saturday brings the local VE session. I figure on probably passing element one, & possible element three as well.

I have on hand a TS520/VFO520 combo. Planned antenna is about 120 feet of random wire up ten or so feet. As I'm in a fround floor apartment, I'm happy to get even that much wire up. Other than a dummy load & a low pass filter, any station suggestions. Trying to balance cost vs effectiveness if possible.

Also, any recommendations for grounding? Plastic pipes, & permission for grounding rod denied by landowner. Lightning protection will be disconnect & unplug. Had a strike hit the swimming pool about six weeks ago. That's twelve feet from the operating station!! BTW, lost NO electronics within the complex. AC mains never even flickered!!

Thanks to all!!,

DW

=====
DW White

KE6WYB, CN80vq

<><God, Country, Corps><>

Semper Fi

AR

_____
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2209. Re: [TS-520_820_530_830] Station Recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-12 02:02:18 UTC
From: Norm Fusaro
Topic: 2208 Message: 2209

GL on the VE test OM.
If you are running a longwire a good ground and some sort of counterpoise is recommended. Is there a ground rod for the electric service that can be used? You're going to need a tuner of some sort. A simple LC network will work for a longwire. That can be made easily; wind the coil yourself and tap it where needed, pickup a cap at a hamfest or at Surplus Sales of Nebraska.

The ground is important. Ground to the electric ground at the AC recepticle for electrical ground. Get some wire on the ground in the form af radials or one long counterpoise. Even if you have to roll them up when not in use. Or bury them in the shrubs or flower beds. This will eliminate more RFI than any low pass filter will.

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "DW" <andersonradioactivity@...>
To: <ts-520_820_530_830@yahoogroups.com>
Sent: Wednesday, August 11, 2004 9:40 PM
Subject: [TS-520_820_530_830] Station Recommendations

> Hey All,
>
> I've been lurking about for a while, but it looks like
> it may be time to get active. Saturday brings the
> local VE session. I figure on probably passing
> element one, & possible element three as well.
>
> I have on hand a TS520/VFO520 combo. Planned antenna
> is about 120 feet of random wire up ten or so feet.
> As I'm in a fround floor apartment, I'm happy to get
> even that much wire up. Other than a dummy load & a
> low pass filter, any station suggestions. Trying to
> balance cost vs effectiveness if possible.
>
> Also, any recommendations for grounding? Plastic
> pipes, & permission for grounding rod denied by
> landowner. Lightning protection will be disconnect &
> unplug. Had a strike hit the swimming pool about six
> weeks ago. That's twelve feet from the operating
> station!! BTW, lost NO electronics within the
> complex. AC mains never even flickered!!
>
> Thanks to all!!,

>
> DW
>
> =====
> DW White
>
> KE6WYB, CN80vq
>
> <><God, Country, Corps><>
>
> Semper Fi
>
> AR
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>
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2210. Re: [TS-520_820_530_830] Station Recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-12 12:43:53 UTC
From: Bill K0ZL
Topic: 2208 Message: 2210

Longwire will require a tuner and counterpoise or
ground.

Counterpoise will need to be min of 1/4 wave at lowest
frequency. Where it presents a 1/2 wave, there will be
severe RFI in the shack.

Good luck.

b

--- DW <andersonradioactivity@...> wrote:

> Hey All,
>
> I've been lurking about for a while, but it looks
> like
> it may be time to get active. Saturday brings the
> local VE session. I figure on probably passing
> element one, & possible element three as well.
>
> I have on hand a TS520/VFO520 combo. Planned
> antenna
> is about 120 feet of random wire up ten or so feet.
> As I'm in a fround floor apartment, I'm happy to get
> even that much wire up. Other than a dummy load & a
> low pass filter, any station suggestions. Trying to
> balance cost vs effectiveness if possible.
>
> Also, any recommendations for grounding? Plastic
> pipes, & permission for grounding rod denied by
> landowner. Lightning protection will be disconnect
> &
> unplug. Had a strike hit the swimming pool about
> six
> weeks ago. That's twelve feet from the operating
> station!! BTW, lost NO electronics within the
> complex. AC mains never even flickered!!
>
> Thanks to all!!,
>
> DW
>
> =====
> DW White
>

> KE6WYB, CN80vq
>
> <><God, Country, Corps><>
>
> Semper Fi
>
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2211. Re: Station Recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-12 13:16:28 UTC
From: Ron Kienzle
Topic: 2208 Message: 2211

Good luck on the exam. Hope to CU on the air soon.

Apartments are tough. First, change the power cord on your TS-520 to a 3-wire cord (you know, with a grounding prong)-- secure the green grounding wire to the rig's chassis. This will help keep dangerous AC off your fingers and help with the RF.

Go to Radio Shack and buy a few rolls of that aluminum foil tape you use to put on windows for burglar alarms. Run a very short stranded or braided wire to a point near the floor. Fasten several pieces of the aluminum tape to the point and spread them in different directions all over the apartment -- you can stick them to the baseboards, floors under rugs, even walls. The longer each is the better but be sure you have at least 4 or 5 of significantly different lengths so that if one is resonant at a particular frequency, the others will not be.

If you don't feel that your taped up ground system is adequate, you can find MFJ's "Artifical Ground" on eBay. Or, use a cheap small antenna tuner to tune your counterpoise system to perfection.

Finally, get a straight key.

73,

--Ron (KZ7P)

--- In TS-520_820_530_830@yahoogroups.com, DW
<andersonradioactivity@y...> wrote:
> Hey All,
>
> I've been lurking about for a while, but it looks like
> it may be time to get active. Saturday brings the
> local VE session. I figure on probably passing
> element one, & possible element three as well.
>
> I have on hand a TS520/VFO520 combo. Planned antenna
> is about 120 feet of random wire up ten or so feet.
> As I'm in a fround floor apartment, I'm happy to get
> even that much wire up. Other than a dummy load & a
> low pass filter, any station suggestions. Trying to
> balance cost vs effectiveness if possible.
>
> Also, any recommendations for grounding? Plastic
> pipes, & permission for grounding rod denied by
> landowner. Lightning protection will be disconnect &
> unplug. Had a strike hit the swimming pool about six

> weeks ago. That's twelve feet from the operating
> station!! BTW, lost NO electronics within the
> complex. AC mains never even flickered!!
>
> Thanks to all!!,
>
> DW
>
> =====
> DW White
>
> KE6WYB, CN80vq
>
> <><God, Country, Corps><>
>
> Semper Fi
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2212. Connecting Cable for VFO-520

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-12 16:57:16 UTC
From: Brent Baum
Topic: 2212 Message: 2212

I just obtained a VFO-520S for my station, but it doesn't have the connecting cable.

I seem to remember seeing some posts regarding sources for the cable and or 9 pin plugs to make a cable but cannot find them now. Does anyone know of the sources for these parts?

Thanks all,
de K7MEI, Brent

2213. Re: [TS-520_820_530_830] Re: Station Recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-13 00:46:13 UTC
From: Eric Webner
Topic: 2208 Message: 2213

Hi all,

Just to add my two cents:

Go to ARRL Web and search grounding. I happened to do the same thing today and read an article on setting up a counterpoise, which is one of the techniques that Ron discussed. According to the information I read, rather than using random lengths of window tape or wire, there should be one that is a quarter-wavelength for each band you wish to work. Each one provides a low-impedance at that frequency. Keep the bends as gradual as possible (12 inch radius or more).

If you rewire the AC cord with a 3-wire plug, you will be putting unusual currents (RF) through the safety ground of the electrical system, which the National Electric code frowns upon (although they say that all ground systems should be bonded together).Perhaps the best thing to do if the rig is a little "hot" is to reverse the AC plug. Too bad it is not polarized!

Another suggestion on the antenna: a random length antenna requires a particularly good ground in order to avoid ground losses. I am not sure what your setup is that the landlord will allow the antenna and not a ground rod, but if you could put up a balanced antenna, you would be better off.

At one time I lived by myself on the third floor of an apartment building. My station used a center-fed Zepp antenna, with which I ran all bands 80-10, on my TS-520. I ran 300-ohm twinlead through a small hole just below my window and attached it to my 80-meter dipole, made with 30-guage magnet wire. I attached each end with fishing line and an appropriate weight, one end to a tree, and the other to a lampost. It was very stealthy, though it required a bit of maintenance, as ice storms tended to break the wire.

My ground system consisted of 1" tinned copper braid that I ran under the carpet and attached to the bathroom sink's cold water pipe. I wouldn't recommend that now, but it worked for me. How I avoided problems with that ground, I'll never know!

Oh yeah, and get a straight key.

73,

Eric KA8FAN

Ron Kienzle <ron@...> wrote:
Good luck on the exam. Hope to CU on the air soon.

Apartments are tough. First, change the power cord on your TS-520 to
a 3-wire cord (you know, with a grounding prong)-- secure the green
grounding wire to the rig's chassis. This will help keep dangerous AC
off your fingers and help with the RF.

Go to Radio Shack and buy a few rolls of that aluminum foil tape you use to put on windows for burglar alarms. Run a very short stranded or braided wire to a point near the floor. Fasten several pieces of the aluminum tape to the point and spread them in different directions all over the apartment -- you can stick them to the baseboards, floors under rugs, even walls. The longer each is the better but be sure you have at least 4 or 5 of significantly different lengths so that if one is resonant at a particular frequency, the others will not be.

If you don't feel that your taped up ground system is adequate, you can find MFJ's "Artifical Ground" on eBay. Or, use a cheap small antenna tuner to tune your counterpoise system to perfection.

Finally, get a straight key.

73,

--Ron (KZ7P)

--- In TS-520_820_530_830@yahoogroups.com, DW <andersonradioactivity@y...> wrote:
> Hey All,
>
> I've been lurking about for a while, but it looks like
> it may be time to get active. Saturday brings the
> local VE session. I figure on probably passing
> element one, & possible element three as well.
>
> I have on hand a TS520/VFO520 combo. Planned antenna
> is about 120 feet of random wire up ten or so feet.
> As I'm in a fround floor apartment, I'm happy to get
> even that much wire up. Other than a dummy load & a
> low pass filter, any station suggestions. Trying to
> balance cost vs effectiveness if possible.
>
> Also, any recommendations for grounding? Plastic
> pipes, & permission for grounding rod denied by
> landowner. Lightning protection will be disconnect &
> unplug. Had a strike hit the swimming pool about six
> weeks ago. That's twelve feet from the operating
> station!! BTW, lost NO electronics within the
> complex. AC mains never even flickered!!
>
> Thanks to all!!,
>
> DW
>
> =====
> DW White
>
> KE6WYB, CN80vq

>
> <><God, Country, Corps><>
>
> Semper Fi
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2214. Re: [TS-520] VFO 9 pin plugs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-13 21:09:31 UTC
From: james27613@att.net
Topic: 2214 Message: 2214

Hi

Here is good source for the part at a good price,
I have used them many times.

http://www.kenwoodparts.com

part number to search on

E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus s/h

The cable is wired straight 1-1...etc..

73 james ke4drn

2215. MC-50 bakelite mic holder

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-15 01:33:25 UTC
From: rdl014
Topic: 2215 Message: 2215

I received a nice MC-50 mic via UPS and due to their usual handling of packages marked fragile, the bakelite or plastic holder that holds the mike to the stand was broken into three pieces. I now have it "super glued" together, but do not know how long this will last. Anyone know where I can get a replacement part. TNX and 73,
Ray AK4RL

2216. tnx fer recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-15 04:31:28 UTC
From: DW
Topic: 2216 Message: 2216

Hi All;

Thanks to everyone who shared their ideas &
experiences. I'm saving all of those postings to go
back through. This project I'm not rushing.

For those who mentioned it, yes I do have a
transmatch, just forgot to say so.

Lastly, I passed elements one & three this morning.
I'm finally a know code ham!!

73,

DW, KE6WYB/AG

=====
DW White

KE6WYB, CN80vq

<><God, Country, Corps><>

Semper Fi

AR

_____
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Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

2217. Re: [TS-520_820_530_830] tnx fer recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-15 09:36:42 UTC
From: Norm Fusaro
Topic: 2216 Message: 2217

Congratulations!

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----

> Lastly, I passed elements one & three this morning.
> I'm finally a know code ham!!

2218. RE: [TS-520_820_530_830] tnx fer recommendations

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-15 13:07:12 UTC
From: Ron Kienzle
Topic: 2216 Message: 2218

Congratulations DW! Welcome to the wonderful world of HF CW! Have FUN!

73,

--Ron (KZ7P)

-----Original Message-----
From: DW [mailto:andersonradioactivity@...]
Sent: Sunday, August 15, 2004 12:31 AM
To: ts-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] tnx fer recommendations

Hi All;

Thanks to everyone who shared their ideas &
experiences. I'm saving all of those postings to go
back through. This project I'm not rushing.

For those who mentioned it, yes I do have a
transmatch, just forgot to say so.

Lastly, I passed elements one & three this morning.
I'm finally a know code ham!!

73,

DW, KE6WYB/AG

=====
DW White

KE6WYB, CN80vq

<><God, Country, Corps><>

Semper Fi

AR

~---~
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a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

2219. Re: [TS-520_820_530_830] MC-50 Mic Holder part

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-16 00:59:19 UTC
From: james27613@att.net
Topic: 2219 Message: 2219

Hi Ray,

http://www.kenwoodparts.com

J19-0036-10 MC-50 MICROPHONE HOLDER $0.91

Just give them a call to verify this is the part you want.

73 james ke4drn

> Date: Sun, 15 Aug 2004 01:33:25 -0000
> From: "rdl014"
> Subject: MC-50 bakelite mic holder
>
> I received a nice MC-50 mic via UPS and due to their usual handling
> of packages marked fragile, the bakelite or plastic holder that
> holds the mike to the stand was broken into three pieces. I now
> have it "super glued" together, but do not know how long this will
> last. Anyone know where I can get a replacement part. TNX and 73,
> Ray AK4RL

2220. Congradulations on passing!!!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-15 21:38:47 UTC
From: Carl R. Phipps
Topic: 2220 Message: 2220

Message: 2
Date: Sat, 14 Aug 2004 21:31:28 -0700 (PDT)

Lastly, I passed elements one & three this morning.
I'm finally a know code ham!!

73,

DW, KE6WYB/AG

I know how you feel.I passed it about a year ago.
Carl KC8UGM

2221. VFO-230 with TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 01:48:50 UTC
From: Roy Sakabu
Topic: 2221 Message: 2221

Hello Group,
I recently picked up a VFO-230 to compliment my TS-830. One reason I got it was that I was told that with the VFO-230, there is virtually no warm-up drift in the frequency when using it to control the 830. Well, upon starting them up, the VFO-230 will transfer frequencies from the 830 properly and will smoothly change its frequency display properly, but will not properly control the 830, as you spin the dial on the 230, the 830 only responds when you QSY by about 10 kHz. After about a half hour warm up, it controls the 830 perfectly.

Is this to be expected, or is there something that needs to be checked out?

Thanks,
Roy
AD6ZU

2222. Re: TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 03:10:57 UTC
From: au20061
Topic: 2203 Message: 2222

Continuing to work on the alc problem. What I have now noticed is that the bias current varies when keying the mike and no voice. One time it will be on the 60 ma. , key it again and it might be on 10 ma. ....key several times and it will go back to 60. The rig will not idle on the 60 ma setting. Looking for ideas?

Thanks
Tom

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Could be dirty carrier control, or broken bandswitch
> coupling, or oscillating driver tube, in that order.
>
> b
>
> --- au20061 <au2006@b...> wrote:
>
> > I just received an 830 and it receives great.....is
> > right on
> > frequency.....and loads up to 100 watts plus. I also
> > got a good
> > audio report on my first contact. The problem that
> > has developed is
> > erratic alc on tuneup. The alc seems very jumpy. As
> > you turn the
> > carrier control it goes from zero to past the alc
> > scale in a quick
> > jump. The rig will tune up and work and then alc
> > will drop to zero.
> >
> > I have not checked anything yet. I will clean the
> > switches first and
> > then check the tubes. Anything other ideas to lead
> > me to the problem.
> >
> > Thanks
> >
> > Tom
> >
> >
>
>
> =====
>

> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
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>
> _____
> Do you Yahoo!?
> Yahoo! Mail is new and improved - Check it out!
> http://promotions.yahoo.com/new_mail

2223. RE: [TS-520_820_530_830] VFO-230 with TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 03:12:53 UTC
From: Walter Milton
Topic: 2221 Message: 2223

Roy,

Something needs to be checked OUT. My TS-830 follows my VFO-230 hertz for hertz. It sounds like something is out of alignment in the TS-830.

Walt, KA2NJF
-----Original Message-----
From: Roy Sakabu [mailto:rsakabu@...]
Sent: Tuesday, August 17, 2004 9:49 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] VFO-230 with TS-830

Hello Group,
I recently picked up a VFO-230 to compliment my TS-830. One reason I got it was that I was told that with the VFO-230, there is virtually no warm-up drift in the frequency when using it to control the 830. Well, upon starting them up, the VFO-230 will transfer frequencies from the 830 properly and will smoothly change its frequency display properly, but will not properly control the 830, as you spin the dial on the 230, the 830 only responds when you QSY by about 10 kHz. After about a half hour warm up, it controls the 830 perfectly.

Is this to be expected, or is there something that needs to be checked out?

Thanks,
Roy
AD6ZU

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[Non-text portions of this message have been removed]

2224. www.mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 14:38:24 UTC
From: Ron Kienzle
Topic: 2224 Message: 2224

Suddenly I find that my access to this really great website has
been "denied." I even joined their club several months ago. Does
anyone have any suggestions about how I can get back in? I can't even
bring up a home page or any related page.

--Ron (KZ7P)

2225. Re: VFO-230 with TS-830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 16:03:17 UTC
From: Roy Sakabu
Topic: 2221 Message: 2225

That's what I've suspected, but I am searching for clues as to whether it may be something in the VFO-230 output or in the TS-830 input. The pair track perfectly, but only after a good long warm up.

Roy
AD6ZU

--- In TS-520_820_530_830@yahoogroups.com, "Walter Milton" <wmilton@c...> wrote:
> Roy,
>
> Something needs to be checked OUT. My TS-830 follows my VFO-230 hertz for
> hertz. It sounds like something is out of alignment in the TS-830.
>
> Walt, KA2NJF

2226. RE: [TS-520_820_530_830] www.mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 16:50:15 UTC
From: Bob Mackie
Topic: 2224 Message: 2226

I don't think it's just you, Ron. When I tried it I got "This site has been suspended". I sure hope it's just a technical glitch and not something permanent!

W7ASH
Bob Mackie

--- On Wed 08/18, Ron Kienzle < ron@... > wrote:
From: Ron Kienzle [mailto: ron@...]
To: TS-520_820_530_830@yahoogroups.com
Date: Wed, 18 Aug 2004 14:38:24 -0000
Subject: [TS-520_820_530_830] www.mods.dk

_____
No banners. No pop-ups. No kidding.
Make My Way your home on the Web - http://www.myway.com

2227. Re: [TS-520_820_530_830] www.mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 16:57:09 UTC
From: peter A markavage
Topic: 2224 Message: 2227

Owner has been having a problem with his service provider, so site is down. When issues are resolved, site should be back up (in hours, days, weeks, etc.).
Pete, wa2cwa

On Wed, 18 Aug 2004 14:38:24 -0000 "Ron Kienzle" <ron@...> writes:
Suddenly I find that my access to this really great website has been "denied." I even joined their club several months ago. Does anyone have any suggestions about how I can get back in? I can't even bring up a home page or any related page.

--Ron (KZ7P)

[Non-text portions of this message have been removed]

2228. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-18 13:12:50 UTC
From: Bill
Topic: 186 Message: 2228

Oops. Forgot about this. Are the feet still available?

K2WH

-----Original Message-----
From: w4cdf@... [mailto:w4cdf@...]
Sent: Friday, August 06, 2004 1:45 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] For Sale

Hello Bill,
2 sets are yours. Send a money order, check, or watever for $ 6.00 and
a
couple of bucks for shipping
to:
Charles D. Feigley Sr.
6260 W. Oaklawn ST.
Homosassa, Florida 34446
Thanks,
Charlie W4CDF

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<http://us.ard.yahoo.com/SIG=129r8a84l/M=295196.4901138.6071305.3001176/
D=groups/S=1705063108:HM/EXP=1091821408/A=2128215/R=0/SIG=10se96mf6/*htt
p:/companion.yahoo.com> click here

<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=group
s/S=:HM/A=2128215/rand=888154137>

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<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscri
be>

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[Non-text portions of this message have been removed]

2229. Re: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 01:04:49 UTC
From: w4cdf@earthlink.net
Topic: 186 Message: 2229

I have been saving them for you.
Charlie

2230. Re: TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 03:10:26 UTC
From: au20061
Topic: 2203 Message: 2230

This is a reply to my own post. I have changed the driver tube, cleaned the band switch, cleaned the tx/rx relay, and cleaned as many pots as I could access. The rig is loading up much better. Just completed a qso with a W2 on Long Island and got an excellent signal report on ssb using an indoor dipole. I have been using the processor on 40 meters and getting excellent audio reports. The processor on the 830 is the best I have used. Does not distort and really punches through the QRN on 40 at night.

I believe the band switch was the culprit.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, "au20061" <au2006@b...> wrote:
> Continuing to work on the alc problem. What I have now noticed is
> that the bias current varies when keying the mike and no voice. One
> time it will be on the 60 ma. , key it again and it might be on 10
> ma. ....key several times and it will go back to 60. The rig will
> not idle on the 60 ma setting. Looking for ideas?
>
> Thanks
> Tom
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...> wrote:
> > Could be dirty carrier control, or broken bandswitch
> > coupling, or oscillating driver tube, in that order.
> >
> > b
> >
> > --- au20061 <au2006@b...> wrote:
> >
> > > I just received an 830 and it receives great......is
> > > right on
> > > frequency.....and loads up to 100 watts plus. I also
> > > got a good
> > > audio report on my first contact. The problem that
> > > has developed is
> > > erratic alc on tuneup. The alc seems very jumpy. As
> > > you turn the
> > > carrier control it goes from zero to past the alc
> > > scale in a quick
> > > jump. The rig will tune up and work and then alc
> > > will drop to zero.

> > >
> > > I have not checked anything yet. I will clean the
> > > switches first and
> > > then check the tubes. Anything other ideas to lead
> > > me to the problem.
> > >
> > > Thanks
> > >
> > > Tom
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
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> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail is new and improved - Check it out!
> > http://promotions.yahoo.com/new_mail

2231. Re: [TS-520_820_530_830] www.mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 10:29:55 UTC
From: Donald Bryant
Topic: 2224 Message: 2231

If you get into a pinch, You might be able to go to google and do a search for a particular radios mod. When it makes reference to mods.dk and list a page for a particularnradio go the the CACHED page. there will not be any pictures and it will be ugly but you may be able to retreive enough text to do what you need to do. I was sucessful on my mobile radio last night.

Donald KB4RRC

----- Original Message -----
From: peter A markavage <pmarkavage@...>
Date: Wed, 18 Aug 2004 12:57:09 -0400
Subject: Re: [TS-520_820_530_830] www.mods.dk
To: ts-520_820_530_830@yahoogroups.com

Owner has been having a problem with his service provider, so site is down. When issues are resolved, site should be back up (in hours, days, weeks, etc.).
Pete, wa2cwa

On Wed, 18 Aug 2004 14:38:24 -0000 "Ron Kienzle" <ron@...> writes:
Suddenly I find that my access to this really great website has been "denied." I even joined their club several months ago. Does anyone have any suggestions about how I can get back in? I can't even bring up a home page or any related page.

--Ron (KZ7P)

[Non-text portions of this message have been removed]

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2232. Re: [TS-520_820_530_830] www.mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 17:26:26 UTC
From: Bill K0ZL
Topic: 2224 Message: 2232

The site is down, not sure why, I have emailed the
owner to see if we can be of assistance.

Bill

K0ZL

--- Ron Kienzle <ron@...> wrote:

> Suddenly I find that my access to this really great
> website has
> been "denied." I even joined their club several
> months ago. Does
> anyone have any suggestions about how I can get back
> in? I can't even
> bring up a home page or any related page.
>
> --Ron (KZ7P)
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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http://promotions.yahoo.com/new_mail

2233. Re: [TS-520_820_530_830] Re: TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 17:32:59 UTC
From: Bill K0ZL
Topic: 2203 Message: 2233

Awesome job.

bill

--- au20061 <au2006@...> wrote:

> This is a reply to my own post. I have changed the
> driver tube,
> cleaned the band switch, cleaned the tx/rx relay,
> and cleaned as
> many pots as I could access. The rig is loading up
> much better. Just
> completed a qso with a W2 on Long Island and got an
> excellent signal
> report on ssb using an indoor dipole. I have been
> using the
> processor on 40 meters and getting excellent audio
> reports. The
> processor on the 830 is the best I have used. Does
> not distort and
> really punches through the QRN on 40 at night.
>
> I believe the band switch was the culprit.
>
> Tom K4KFN
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "au20061"
> <au2006@b...>
> wrote:
> > Continuing to work on the alc problem. What I
> have now noticed is
> > that the bias current varies when keying the mike
> and no voice.
> One
> > time it will be on the 60 ma. , key it again and
> it might be on 10
> > ma. ....key several times and it will go back to
> 60. The rig will
> > not idle on the 60 ma setting. Looking for ideas?
> >
> > Thanks
> > Tom
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL

> > <coorsbill@y...> wrote:
> > > Could be dirty carrier control, or broken
> bandswitch
> > > coupling, or oscillating driver tube, in that
> order.
> > >
> > > b
> > >
> > > --- au20061 <au2006@b...> wrote:
> > >
> > > > I just received an 830 and it receives
> great......is
> > > > right on
> > > > frequency.....and loads up to 100 watts plus.
> I also
> > > > got a good
> > > > audio report on my first contact. The problem
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> > > > has developed is
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> jumpy. As
> > > > you turn the
> > > > carrier control it goes from zero to past the
> alc
> > > > scale in a quick
> > > > jump. The rig will tune up and work and then
> alc
> > > > will drop to zero.
> > > >
> > > > I have not checked anything yet. I will clean
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> > > > switches first and
> > > > then check the tubes. Anything other ideas to
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> > > > me to the problem.
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> > > > Thanks
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> > > > Tom
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> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website
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> > > _____________________________________
> > > Do you Yahoo!?
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>

=====

"If in doubt, MODIFY" --k0zl

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http://promotions.yahoo.com/new_mail

2234. Re: [TS-520_820_530_830] Re: TS-830S Erratic ALC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 18:25:41 UTC
From: Bill K0ZL
Topic: 2203 Message: 2234

Check your screen voltage and your grid bias voltage
at the tubes; you should see some variation there if
those are the problem.

Otherwise, you may have problems with the hi-voltage
filter caps going out. This will drop your plate
voltage to half, power output to 1/4 (25 watts) and so
forth, but not necessarily blow fuses or smoke.

b

--- au20061 <au2006@...> wrote:

> Continuing to work on the alc problem. What I have
> now noticed is
> that the bias current varies when keying the mike
> and no voice. One
> time it will be on the 60 ma. , key it again and it
> might be on 10
> ma. ....key several times and it will go back to 60.
> The rig will
> not idle on the 60 ma setting. Looking for ideas?
>
> Thanks
> Tom
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
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> <coorsbill@y...> wrote:
> > Could be dirty carrier control, or broken
> bandswitch
> > coupling, or oscillating driver tube, in that
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> > > audio report on my first contact. The problem
> that

> > > has developed is
> > > erratic alc on tuneup. The alc seems very jumpy.
> As
> > > you turn the
> > > carrier control it goes from zero to past the
> alc
> > > scale in a quick
> > > jump. The rig will tune up and work and then alc
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> > > I have not checked anything yet. I will clean
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> > > switches first and
> > > then check the tubes. Anything other ideas to
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> > > Tom
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> > "If in doubt, MODIFY" --k0zl
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> > Need a tech? See our website
> www.amateur-repairs.com
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> > _____________________________________
> > Do you Yahoo!?
> > Yahoo! Mail is new and improved - Check it out!
> > http://promotions.yahoo.com/new_mail
>
>

=====

"If in doubt, MODIFY" --k0zl

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2235. Re: [TS-520_820_530_830] mods.dk

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 20:28:58 UTC
From: james27613@att.net
Topic: 2235 Message: 2235

I just managed to upload a pdf for the
kenwood tv-506 transverter the day before
the site went offline.

He hopes to have it online in a few weeks.
Like Pete reported, provider issues.

73 james ke4drn

2236. Re: [TS-520_820_530_830] mods.dk alternate site

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-19 20:34:37 UTC
From: james27613@att.net
Topic: 2236 Message: 2236

Hi,

Found this from another group
as an alternative to http://www.mods.dk

http://www.kb2ljj.com/

73 james ke4drn

2237. flickering display tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-22 15:14:34 UTC
From: emporiaars
Topic: 2237 Message: 2237

Hello all, Name's Mike. Located near Emporia, Ks. Working on the General ticket. Blasted hearing and code not real compatible but I,m getting there. The xyl decided to cut and run after 24 years, so it is just myself and my 14yr old son. Amature radio has kept my mind occupied and is an untapped source of friends.
I have a TS-820 that I got from e-bay two years ago. Two weeks ago at the ARRL Ks. State Convention I bought a TS-820S, AT-200 tuner,SP-820 Speaker,VFO-820,MC-50 mic, all manuels, boxes, and connecting cables for $150. It works too. But it did fill my Jeep wrangler.
I have started cleaning the interior of them and need to know what to check on the flickering display tube of the 820S.
I hope to find the 2m & 6m transverters later on. Even the monitor. I'll need a bigger desk!
Thank you for any tips and help that I get. 73 Mike KCØNFG

2238. Re: [TS-520_820_530_830] flickering display tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-22 16:09:44 UTC
From: Bill K0ZL
Topic: 2237 Message: 2238

ok Mike, well sorry to hear abt the personal
situation; that's always a heartbreaker.

There for a second I thought you were running the 820s
mobile in the Jeep! ha...

Not sure on the flickering display but my first step
would be to take the counter out and clean all the
connectors with Cailube MCL or DeOxIt on a foam-tipped
applicator. But that's just me.

Have fun, enjoy the group, and you are right, amateur
radio can be a sanity-saver for sure (unless you
decide to set up a Yahoo group, or three, but that's
another story for another time!).

bill

--- emporiaars <kc0nfg@...> wrote:

> Hello all, Name's Mike. Located near Emporia, Ks.
> Working on the
> General ticket. Blasted hearing and code not real
> compatible but I,m
> getting there. The xyl decided to cut and run after
> 24 years, so it
> is just myself and my 14yr old son. Amature radio
> has kept my mind
> occupied and is an untapped source of friends.
> I have a TS-820 that I got from e-bay two years
> ago. Two weeks
> ago at the ARRL Ks. State Convention I bought a
> TS-820S, AT-200
> tuner,SP-820 Speaker,VFO-820,MC-50 mic, all manuels,
> boxes, and
> connecting cables for $150. It works too. But it did
> fill my Jeep
> wrangler.
> I have started cleaning the interior of them and
> need to know
> what to check on the flickering display tube of the
> 820S.
> I hope to find the 2m & 6m transverters later
> on. Even the
> monitor. I'll need a bigger desk!
> Thank you for any tips and help that I get. 73

> Mike KC?NFG
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2239. Re: [TS-520_820_530_830] flickering display tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-22 20:13:21 UTC
From: Steve Hall
Topic: 2237 Message: 2239

Mike, Welcome to amateur radio. It can be a great time and there are lotsa potential friends out there. I'm relatively new myself and am also studying for upgrade. I passed my General written once, but didn't get on the stick as far as code and now I've gotta retake...after I do code this time. :-) I had to put my tongue back in after reading what you got that entire 820 rig for. If he's interested, be sure to get your son involved. Another group I belong to is the HamRadioHelpGroup here at yahoo. It's a great bunch and they are extremely friendly and willing to help newcomers. Take care, Steve Hall KB3IOJ
----- Original Message ----- From: emporiaars Sent: 8/22/04 11:14:34 AM To: TS-520_820_530_830@yahoogroups.com Subject: [TS-520_820_530_830] flickering display tube >
> > > > ? Hello all, Name's Mike. Located near Emporia, Ks. Working on the
> General ticket. Blasted hearing and code not real compatible but I,m
> getting there. The xyl decided to cut and run after 24 years, so it
> is just myself and my 14yr old son. Amature radio has kept my mind
> occupied and is an untapped source of friends.
> ??? I have a TS-820 that I got from e-bay two years ago. Two weeks
> ago at the? ARRL Ks. State Convention I bought a TS-820S, AT-200
> tuner,SP-820 Speaker,VFO-820,MC-50 mic, all manuels, boxes, and
> connecting cables for $150. It works too. But it did fill my Jeep
> wrangler.
> ??? I have started cleaning the interior of them and need to know
> what to check on the flickering display tube of the 820S.
> ???? I hope to find the 2m & 6m transverters later on. Even the
> monitor. I'll need a bigger desk!
> ???? Thank you for any tips and help that I get. 73 Mike KC?NFG
>
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(http://us.ard.yahoo.com/SIG=129131cck/M=298184.5285298.6392945.3001176/D=groups/S=1705063108:HM/EXP=1093274092/A=2319498/R=0/SIG=11thfntfp/*http://www.netflix.com/Default?mqso=60185352&partid=5285298)

>
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>
> > > > > > > > >
> > Yahoo! Groups Links

> >
- To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/
? >
- To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
? >
- Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
(http://docs.yahoo.com/info/terms/). > > > > > > > > >

2240. Re: [TS-520_820_530_830] Flicker display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-23 13:24:28 UTC
From: james27613@att.net
Topic: 2240 Message: 2240

Hi Mike,

Enjoy your newest radio.

Another station saved from the auction sites.

I agree with Bill, be sure to blow out the finals
cage and a few drops of oil to the fan bearings too !

The deoxit also works well on the coax, mike connector and pots.

73 james ke4drn fm05

2241. RE: [TS-520_820_530_830] For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-23 13:04:23 UTC
From: Bill
Topic: 186 Message: 2241

Charlie,

U.S. Postal Money Order is in the mail.

Bill K2WH

-----Original Message-----
From: w4cdf@... [mailto:w4cdf@...]
Sent: Thursday, August 19, 2004 7:05 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] For Sale

I have been saving them for you.
Charlie

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<http://us.ard.yahoo.com/SIG=12902ht2c/M=298184.5285298.6392945.3001176/
D=groups/S=1705063108:HM/EXP=1092963932/A=2319501/R=0/SIG=11tq0u909/*htt
p:/www.netflix.com/Default?mqso=60185353&partid=5285298> click here

<http://us.adserver.yahoo.com/l?M=298184.5285298.6392945.3001176/D=group
s/S=:HM/A=2319501/rand=807094981>

Yahoo! Groups Links
* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscri
be>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of
<http://docs.yahoo.com/info/terms/> Service.

[Non-text portions of this message have been removed]

2242. TS-820S "shifted" IF Shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-24 02:32:21 UTC
From: dimitrip@tiac.net
Topic: 2242 Message: 2242

My 820S' IF Shift seems to have developed a problem. In order to hear the audio "normal" it has to be turned fully clockwise position and then it still seems to "need a little more".

Turning it from the 12 o'clock position fully counterclockwise has absolutely no effect on audio.

I attempted to take a stab at the USB LSB offsets but discoverd my Frequency counter has given up on me as well, so while I am contemplating getting a new counter, I'd appreciate any pointers towards correcting this problem.
BTW, assuming my counter is correct, at both the USB and LSB position the frequency a) is way off AND b) it didn't seem to change between USB/LSB. The frequency measured at TP5 of the IF board was 8.82621 MHZ

Thanks,
Dimitri

2243. Re: [TS-520_820_530_830] TS-820S "shifted" IF Shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-24 20:18:13 UTC
From: Bill K0ZL
Topic: 2242 Message: 2243

this control uses a DC bias to change the varactor
offset. Could be that the -6 volts that supplies one
end of the pot, I believe, is gone.

b

--- dimitrip@... wrote:

>
> My 820S' IF Shift seems to have developed a problem.
> In order to hear
> the audio "normal" it has to be turned fully
> clockwise position and
> then it still seems to "need a little more".
>
> Turning it from the 12 o'clock position fully
> counterclockwise has
> absolutely no effect on audio.
>
> I attempted to take a stab at the USB LSB offsets
> but discoverd my
> Frequency counter has given up on me as well, so
> while I am
> contemplating getting a new counter, I'd appreciate
> any pointers
> towards correcting this problem.
> BTW, assuming my counter is correct, at both the USB
> and LSB position
> the frequency a) is way off AND b) it didn't seem to
> change between
> USB/LSB. The frequency measured at TP5 of the IF
> board was 8.82621 MHZ
>
>
>
> Thanks,
> Dimitri
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2244. Re: TS-820S "shifted" IF Shift

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-24 23:58:26 UTC
From: dimitrip@tiac.net
Topic: 2242 Message: 2244

The pot(10K) has +9 on the "hot" side and is connected to ground via a
1.8K resistor.

The way it "works" now I get about 5.1 volts fed to the CAR1
board,when it is turned fully clockwise.

I calculate that the 5.x voltage is close to the correct voltage for
the IF Shift pot in the middle position when not malfuntioning.

In the middle position I calculated the voltage fed to the board to be
5.2 volts

Time to figure out how many screws it takes to get to the CAR1 board :)

Thanks...I might be getting somewhere.

Dimitri

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> this control uses a DC bias to change the varactor
> offset. Could be that the -6 volts that supplies one
> end of the pot, I believe, is gone.
>
> b

2245. Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-25 10:29:34 UTC
From: dimitrip@tiac.net
Topic: 2242 Message: 2245

C18 .22 ufd on the CAR 1 board was leaky. After replacing it, IF Shift came back to normal.
I used a metal film cap instead of an electrolytic (the only type the local RS had in stock).

Dimitri

2246. Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-25 13:22:42 UTC
From: pchapman9202003
Topic: 2242 Message: 2246

Thanks for letting us know. I'll file that one for future reference.
--- In TS-520_820_530_830@yahoogroups.com, dimitrip@t... wrote:
> C18 .22 ufd on the CAR 1 board was leaky. After replacing it, IF
Shift
> came back to normal.
> I used a metal film cap instead of an electrolytic (the only type
the
> local RS had in stock).
>
>
> Dimitri

2247. Looking For VFO 230

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-25 17:05:24 UTC
From: adahilltop
Topic: 2247 Message: 2247

Hello To the group!

I have had a Keenwood TS 830S and the accompining VFO 230 since 1980. My VFO 230 has died and I have found that the board has severe corosion as well as deterioated substrate. The best use for this VFO is Parts. Any one have one for sale or know of one for sale?

Your help is appreciated!

2248. Re: [TS-520_820_530_830] Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-26 11:19:22 UTC
From: Bill K0ZL
Topic: 2242 Message: 2248

Thanks Dimitri! That took some detective work.

I have started a database in the group for "fixes",
check it out. I made this as the first entry. Dimitri,
what is your callsign please?

bill K0ZL

--- dimitrip@... wrote:

> C18 .22 ufd on the CAR 1 board was leaky. After
> replacing it, IF Shift
> came back to normal.
> I used a metal film cap instead of an electrolytic
> (the only type the
> local RS had in stock).
>
>
> Dimitri
>
>

=====

"If in doubt, MODIFY" --k0zl

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2249. Re: [TS-520_820_530_830] Looking For VFO 230

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-26 11:56:05 UTC
From: Bill K0ZL
Topic: 2247 Message: 2249

Sorry to hear about the corrosion. Good luck on
replacement, they are not too rare.

73,

Bill

--- adahilltop <kd9tz@...> wrote:

> Hello To the group!
>
> I have had a Keenwood TS 830S and the accompining
> VFO 230 since
> 1980. My VFO 230 has died and I have found that the
> board has severe
> corosion as well as deterioated substrate. The best
> use for this VFO
> is Parts. Any one have one for sale or know of one
> for sale?
>
> Your help is appreciated!
>
>
>

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"If in doubt, MODIFY" --k0zl

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2250. Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-26 16:40:02 UTC
From: dimitrip@tiac.net
Topic: 2242 Message: 2250

My callsign is KF6QEX.

Dimitri

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Thanks Dimitri! That took some detective work.
>
> I have started a database in the group for "fixes",
> check it out. I made this as the first entry. Dimitri,
> what is your callsign please?
>
> bill K0ZL
>
> --- dimitrip@t... wrote:
>
> > C18 .22 ufd on the CAR 1 board was leaky. After
> > replacing it, IF Shift
> > came back to normal.
> > I used a metal film cap instead of an electrolytic
> > (the only type the
> > local RS had in stock).
> >
> >
> > Dimitri
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2251. Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-26 17:31:09 UTC
From: pjcoombs@frontiernet.net
Topic: 2242 Message: 2251

Great idea for the database. Not to be picky, but my schematic
shows C18 (&C17) on the CAR-1 UNIT (X50-1310-00) to be .022 ufd
rather than the .22 mentioned.

tnx & 73
jay kb9wwq

> Date: Wed, 25 Aug 2004 13:22:42 -0000
> From: "pchapman9202003" <p_chap@...>
>Subject: Re: TS-820S "shifted" IF Shift - Fixed
>
>Thanks for letting us know. I'll file that one for future reference.
>--- In TS-520_820_530_830@yahoogroups.com, dimitrip@t... wrote:
>> C18 .22 ufd on the CAR 1 board was leaky. After replacing it, IF
>Shift
>> came back to normal.
>> I used a metal film cap instead of an electrolytic (the only type
>the
>> local RS had in stock).
>>
>>
>> Dimitri

2252. Re: TS-820S "shifted" IF Shift - Correction - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-26 19:24:26 UTC
From: dimitri@dotp.com
Topic: 2242 Message: 2252

Ooops!
It's not C18, its C8 (0.22ufd) that was leaky.

Thanks for pointing it out.

Dimitri KF6QEX

It is C8 that was replaced

--- In TS-520_820_530_830@yahoogroups.com, pjcoombs@f... wrote:
> Great idea for the database. Not to be picky, but my schematic
> shows C18 (&C17) on the CAR-1 UNIT (X50-1310-00) to be .022 ufd
> rather than the .22 mentioned.
>
> tnx & 73
> jay kb9wwq
>
>
> > Date: Wed, 25 Aug 2004 13:22:42 -0000
> > From: "pchapman9202003" <p_chap@b...>
> >Subject: Re: TS-820S "shifted" IF Shift - Fixed
> >
> >Thanks for letting us know. I'll file that one for future reference.
> >--- In TS-520_820_530_830@yahoogroups.com, dimitrip@t... wrote:
> >> C18 .22 ufd on the CAR 1 board was leaky. After replacing it, IF
> >Shift
> >> came back to normal.
> >> I used a metal film cap instead of an electrolytic (the only type
> >the
> >> local RS had in stock).
> >>
> >>
> >> Dimitri

2253. Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 00:15:23 UTC
From: cdf00001
Topic: 2037 Message: 2253

Hello,
A while back I came across a web sight of a gentelman who
offerd a vfo anti drift kit for the TS-520s. In my senior moment
I forgot to book mark the page. I was wondering if anyone might
be able to point me in the right direction.
Thanks in advance,
Charlie W4CDF

2254. Re: [TS-520_820_530_830] Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 00:59:45 UTC
From: Alan Wolke
Topic: 2242 Message: 2254

Bill,

Since you are starting a database of repairs - here's one that I did on my 830...

I had a problem with the fact that the CW sidetone oscillator wasn't working. I traced the problem down to a cut wire on the mode switch. But, that wasn't the real problem! Once I repaired that wire, I found that the CW sidetone was on at all times in CW mode. Evidently, one of the previous owners of the rig couldn't find the reason why the sidetone was stuck on, so then must have cut the wire to eliminate the sidetone permanently.

So, I set off to find the "real" problem.

The clue that got me looking in the right direction was that I could squelch the sidetone by "shorting" the key with my fingers. Actually, the small amount of leakage provided by my fingers across the key terminals was enough to turn off the oscillator. Of course, keying the key turned to oscillator on. So, I was left with a circuit that would turn on when the key was open circuit, and when it was closed circuit - and would only turn off when a few hundred Kohms (fingers) across the key.

I traced the problem to the switching diode, D1, in the sidetone phase-shift oscillator on the AF Unit. I found that the diode would get leaky when its reverse bias exceeded about 35-40V, and then its impedance would drop enough to permit the oscillator to startup. Putting my fingers across the key terminals would drop the keying voltage down to about 30V, and cause the diode to stop leaking. I replaced the diode with an NTE177 - and it is fixed.

Hopefully, someone else can benefit from this...

73,
Alan W2AEW

Bill K0ZL wrote:

> Thanks Dimitri! That took some detective work.
>
> I have started a database in the group for "fixes",
> check it out. I made this as the first entry. Dimitri,
> what is your callsign please?
>
> bill K0ZL
>

> --- dimitrip@... wrote:
>
> > C18 .22 ufd on the CAR 1 board was leaky. After
> > replacing it, IF Shift
> > came back to normal.
> > I used a metal film cap instead of an electrolytic
> > (the only type the
> > local RS had in stock).
> >
> >
> > Dimitri
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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>
--
Alan Wolke, W2AEW

"i usta cuDn't speL enjinere, noW i ar wuN"

2255. Re: Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 10:55:37 UTC
From: dimitri@dotp.com
Topic: 2037 Message: 2255

I did some looking around and stumbled on this:

http://home.comcast.net/~k4dpk/index.html

It sounds like what you are looking for ...

Dimitri kf6qex

--- In TS-520_820_530_830@yahoogroups.com, "cdf00001" <w4cdf@e...> wrote:
> Hello,
> A while back I came across a web sight of a gentelman who
> offerd a vfo anti drift kit for the TS-520s. In my senior moment
> I forgot to book mark the page. I was wondering if anyone might
> be able to point me in the right direction.
> Thanks in advance,
> Charlie W4CDF

2256. Re: [TS-520_820_530_830] Re: TS-820S "shifted" IF Shift - Fixed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 14:28:00 UTC
From: Bill K0ZL
Topic: 2242 Message: 2256

Good, I see also that you edited that record in the
database! Thanks.

73,

Bill K0ZL

--- dimitrip@... wrote:

> My callsign is KF6QEX.
>
> Dimitri
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > Thanks Dimitri! That took some detective work.
> >
> > I have started a database in the group for
> "fixes",
> > check it out. I made this as the first entry.
> Dimitri,
> > what is your callsign please?
> >
> > bill K0ZL
> >
> > --- dimitrip@t... wrote:
> >
> > > C18 .22 ufd on the CAR 1 board was leaky. After
> > > replacing it, IF Shift
> > > came back to normal.
> > > I used a metal film cap instead of an
> electrolytic
> > > (the only type the
> > > local RS had in stock).
> > >
> > >
> > > Dimitri
> > >
> > >
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >

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2257. Re: [TS-520_820_530_830] Re: Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 14:49:30 UTC
From: w4cdf@earthlink.net
Topic: 2037 Message: 2257

Thanks to Dimitri KF6QEX. That is the exact page I
was looking for.
Charlie W4CDF

2258. Re: [TS-520_820_530_830] Help Please

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-27 01:16:51 UTC
From: Ken Jones
Topic: 2037 Message: 2258

Charlie:

I believe that I can help. I just happened to bookmark the page in my Ham Radio favorites list. Here is the link to the web page:

http://home.comcast.net/~k4dpk/

Ken, W4ZUG

----- Original Message -----
From: cdf00001
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, August 26, 2004 8:15 PM
Subject: [TS-520_820_530_830] Help Please

Hello,
A while back I came across a web sight of a gentelman who
offerd a vfo anti drift kit for the TS-520s. In my senior moment
I forgot to book mark the page. I was wondering if anyone might
be able to point me in the right direction.
Thanks in advance,
Charlie W4CDF

[Non-text portions of this message have been removed]

2259. ts530sp on ssb qrp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-29 14:37:56 UTC
From: Nigel
Topic: 2259 Message: 2259

I remember seeing somewhere that
the TS530 will run at qrp levels on
ssb using a negative voltage on the
alc line. I can not remember where
i saw it and have lost the info.
does anyone now whee i can find the
info. all the best from Nigel
M0dbo/G7luo

2260. Re: [TS-520_820_530_830] ts530sp on ssb qrp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-29 15:55:24 UTC
From: Bill K0ZL
Topic: 2259 Message: 2260

Look in the group's FILES section; there should be a
document there describing how to do it.

73

b

--- Nigel <nhead1@...> wrote:

> I remember seeing somewhere that
> the TS530 will run at qrp levels on
> ssb using a negative voltage on the
> alc line. I can not remember where
> i saw it and have lost the info.
> does anyone now whee i can find the
> info. all the best from Nigel
> M0dbo/G7luo
>
>

=====

"If in doubt, MODIFY" --k0zl

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2261. RE:Re: [TS-520_820_530_830] ts530sp on ssb qrp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-29 17:21:30 UTC
From: nhead1@cwctv.net
Topic: 2259 Message: 2261

Hi Bill found it the third time i looked . Many thanks Nigel M0dbo/G7luo

NIGEL HEAD

On Sun, 29 Aug 2004 08:55:24 -0700 (PDT) Bill K0ZL <coorsbill@...> wrote:

[Non-text portions of this message have been removed]

2262. RE:Re: [TS-520_820_530_830] ts530sp on ssb qrp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-29 22:41:21 UTC
From: Bill K0ZL
Topic: 2259 Message: 2262

Yahoo groups are a bit different from your average
mail list, hi! There's quite a lot of capacity yet
for interesting stuff.

All, I just added a BUNCH of records to the FIXES
database in the group; check it out.

bill

--- nhead1@... wrote:

> Hi Bill found it the third time i looked . Many
> thanks Nigel M0dbo/G7luo
>
> NIGEL HEAD
>
> On Sun, 29 Aug 2004 08:55:24 -0700 (PDT) Bill K0ZL
> <coorsbill@...> wrote:
>
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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2263. TS-820& TS-820S tubes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-31 02:13:47 UTC
From: emporiaars
Topic: 2263 Message: 2263

Hello, Being new to the 820 seen and starting to refurbish not one but two of them I'm trying to find out the driver and final tubes that will work in this rig? And what works best in them. I'm wanting to have a spare set of these on hand. What is acceptable and has anyone came up with a tube replacement for our rigs? I hope that I don't get strung up for that question! I like the older equipment and want to be able to keep it up myself hopefully. I've always been a hands on guy, 14 years G.M. Mechanic, last 16 years mechinest.
Thanks, Mike KC0NFG

2264. Re: [TS-520_820_530_830] TS-820& TS-820S tubes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-31 02:22:46 UTC
From: Bill K0ZL
Topic: 2263 Message: 2264

OK Mike.

Well, just about any 12BY7 will work. I like the ones
that are "pulls" from Tektronix scopes of old... these
are usually quite tame and less likely to oscillate
than the new ones. At any rate, always try another if
you see drive jumping around un-smoothly as you rotate
the DRIVE tuning control.

Don't throw out any unsteady ones, as these may work
in another rig just fine.

On the finals, seems like GE NOS 6146B are the way to
go. They don't have to be a matched pair but should
look the same internally as there were some minor
construction differences in some tubes.

Sylvanias work too and if you are lucky enough to find
a pair of the original Toshiba S2001s, GET
THEM...these darn things last forever.

73

Bill
--- emporiaars <kc0nfg@...> wrote:

> Hello, Being new to the 820 seen and starting to
> refurbish not one
> but two of them I'm trying to find out the driver
> and final tubes
> that will work in this rig? And what works best in
> them. I'm wanting
> to have a spare set of these on hand. What is
> acceptable and has
> anyone came up with a tube replacement for our rigs?
> I hope that I
> don't get strung up for that question! I like the
> older equipment and
> want to be able to keep it up myself hopefully. I've
> always been a
> hands on guy, 14 years G.M. Mechanic, last 16 years
> mechinest.
> Thanks, Mike KC0NFG
>
>

=====

"If in doubt, MODIFY" --k0zl

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2265. Re: [TS-520_820_530_830] Tubes KW 820/830/520/530 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-08-31 18:38:18 UTC
From: james27613@att.net
Topic: 2265 Message: 2265

Hi Mike,

I agree with bill.

http://www.surplussales.com

has GE JAN finals and drivers at reasonable prices,
look at tubes and specials.
I have used him many times (not just for finals !)

Don't worry, nobody will string you up for asking
questions but watch out, you may get setenced to
serve on an antenna or tower crew !

73 james ke4drn fm05

> Date: Tue, 31 Aug 2004 02:13:47 -0000
> From: "emporiaars"
> Subject: TS-820& TS-820S tubes?
>
> Hello, Being new to the 820 seen and starting to refurbish not one
> but two of them I'm trying to find out the driver and final tubes
> that will work in this rig? And what works best in them. I'm wanting
> to have a spare set of these on hand. What is acceptable and has
> anyone came up with a tube replacement for our rigs? I hope that I
> don't get strung up for that question! I like the older equipment and
> want to be able to keep it up myself hopefully. I've always been a
> hands on guy, 14 years G.M. Mechanic, last 16 years mechinest.
> Thanks, Mike KC0NFG
>

2266. ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-01 23:28:58 UTC
From: vk7rl
Topic: 2266 Message: 2266

When operating my 530s on SSB I get max ALC with the mic gain at 9 o'clock position using the standard hand mic (the manual suggests 12 o'clock). The trouble is on certain words, like four etc., the meter needle pegs hard to the right.
It's impossible to keep the meter within the ALC zone unless I turn the mic gain to almost zero!
Rig is correctly tuned into a suitable load and on CW max ALC coincides with max power out.
Anybody got any ideas?
Rick

2268. Re: [TS-520_820_530_830] ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 00:05:16 UTC
From: Bill K0ZL
Topic: 2266 Message: 2268

If you are not getting any complaints of edgy audio,
or splatter, it could be that the ALC meter circuit is
just really sensitive. I wouldn't worry too much about
it.

Is there an adjustment on the 530 for ALC full scale?

I know there is on most of the newer rigs.

b

--- vk7rl <vk7rl@...> wrote:

> When operating my 530s on SSB I get max ALC with the
> mic gain at 9
> o'clock position using the standard hand mic (the
> manual suggests 12
> o'clock). The trouble is on certain words, like four
> etc., the meter
> needle pegs hard to the right.
> It's impossible to keep the meter within the ALC
> zone unless I turn
> the mic gain to almost zero!
> Rig is correctly tuned into a suitable load and on
> CW max ALC
> coincides with max power out.
> Anybody got any ideas?
> Rick
>
>

=====

"If in doubt, MODIFY" --k0zl

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2269. Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 02:13:45 UTC
From: Rick
Topic: 2266 Message: 2269

Hi Bill,
Thanks for the reply. I have a copy of the workshop manual but,
unlike most rigs (as you said), there does not appear to be any
internal pot to set the on-scale ALC level.
Audio is fine - just hope I don,t wreck the meter! I may try putting
an electrolytic cap across the ALC section of the switch to slow
things down a bit.
Cheers,
Rick

In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> If you are not getting any complaints of edgy audio,
> or splatter, it could be that the ALC meter circuit is
> just really sensitive. I wouldn't worry too much about
> it.
>
> Is there an adjustment on the 530 for ALC full scale?
>
> I know there is on most of the newer rigs.
>
> b
>
> --- vk7rl <vk7rl@y...> wrote:
>
> > When operating my 530s on SSB I get max ALC with the
> > mic gain at 9
> > o'clock position using the standard hand mic (the
> > manual suggests 12
> > o'clock). The trouble is on certain words, like four
> > etc., the meter
> > needle pegs hard to the right.
> > It's impossible to keep the meter within the ALC
> > zone unless I turn
> > the mic gain to almost zero!
> > Rig is correctly tuned into a suitable load and on
> > CW max ALC
> > coincides with max power out.
> > Anybody got any ideas?
> > Rick
> >
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>
> "If in doubt, MODIFY" --k0zl
>
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2270. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 06:30:39 UTC
From: peter A markavage
Topic: 2266 Message: 2270

This might seem to oblivious, but why don't you just switch the meter switch to a different position after you set the ALC level. It's a mechanical meter and not fast enough to show you accurate voice peaks. If you want accurate audio settings for your rig, get a scope, to monitor the transmitted waveform. That's far more accurate than diddling with a mechanical meter. An electrolytic capacitor across the ALC switch settings will make it even more inaccurate. With my TS-830, ALC control is set to zero, and audio level is monitored by the scope on the transmitted output.

Pete, wa2cwa

On Thu, 02 Sep 2004 02:13:45 -0000 "Rick" <vk7rl@...> writes:
Hi Bill,
Thanks for the reply. I have a copy of the workshop manual but, unlike most rigs (as you said), there does not appear to be any internal pot to set the on-scale ALC level.
Audio is fine - just hope I don,t wreck the meter! I may try putting an electrolytic cap across the ALC section of the switch to slow things down a bit.
Cheers,
Rick

In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> If you are not getting any complaints of edgy audio,
> or splatter, it could be that the ALC meter circuit is
> just really sensitive. I wouldn't worry too much about
> it.
>
> Is there an adjustment on the 530 for ALC full scale?
>
> I know there is on most of the newer rigs.
>
> b
>
> --- vk7rl <vk7rl@y...> wrote:
>
> > When operating my 530s on SSB I get max ALC with the
> > mic gain at 9
> > o'clock position using the standard hand mic (the
> > manual suggests 12
> > o'clock). The trouble is on certain words, like four
> > etc., the meter
> > needle pegs hard to the right.
> > It's impossible to keep the meter within the ALC

> > zone unless I turn
> > the mic gain to almost zero!
> > Rig is correctly tuned into a suitable load and on
> > CW max ALC
> > coincides with max power out.
> > Anybody got any ideas?
> > Rick
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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[Non-text portions of this message have been removed]

2271. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 12:33:59 UTC
From: Bill K0ZL
Topic: 2266 Message: 2271

ALC is actually pretty effective as you are looking at
grid overdrive on peaks, which if not taken to
extremes will not greatly increase third order
distortion products (splatter). The ALC circuit is
actually far faster than the meter would indicate; all
the meter is there for is to show you that indeed you
are into drawing grid current.

ALC can also be used as a sort of speech process with
some degree of success; Looking back through the ARRL
technical material on SSB over the years, there have
been several pieces on using the correct time
constants for the ALC circuits to gain a few DB
advantage over the non-processed signal.

I agree with using a scope for best results; however
lacking that, the ALC circuits on the Kenwood hybrid
rigs are quite reliable in helping to avoid excessive
overdrive which can cause problems for our "frequency
neighbors".

bill K0ZL
--- peter A markavage <pmarkavage@...> wrote:

> This might seem to oblivious, but why don't you just
> switch the meter
> switch to a different position after you set the ALC
> level. It's a
> mechanical meter and not fast enough to show you
> accurate voice peaks. If
> you want accurate audio settings for your rig, get a
> scope, to monitor
> the transmitted waveform. That's far more accurate
> than diddling with a
> mechanical meter. An electrolytic capacitor across
> the ALC switch
> settings will make it even more inaccurate. With my
> TS-830, ALC control
> is set to zero, and audio level is monitored by the
> scope on the
> transmitted output.
>
> Pete, wa2cwa
>
> On Thu, 02 Sep 2004 02:13:45 -0000 "Rick"
> <vk7rl@...> writes:

> Hi Bill,
> Thanks for the reply. I have a copy of the workshop
> manual but,
> unlike most rigs (as you said), there does not
> appear to be any
> internal pot to set the on-scale ALC level.
> Audio is fine - just hope I don,t wreck the meter! I
> may try putting
> an electrolytic cap across the ALC section of the
> switch to slow
> things down a bit.
> Cheers,
> Rick
>
> In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > If you are not getting any complaints of edgy
> audio,
> > or splatter, it could be that the ALC meter
> circuit is
> > just really sensitive. I wouldn't worry too much
> about
> > it.
> >
> > Is there an adjustment on the 530 for ALC full
> scale?
> >
> > I know there is on most of the newer rigs.
> >
> > b
> >
> > --- vk7rl <vk7rl@y...> wrote:
> >
> > > When operating my 530s on SSB I get max ALC with
> the
> > > mic gain at 9
> > > o'clock position using the standard hand mic
> (the
> > > manual suggests 12
> > > o'clock). The trouble is on certain words, like
> four
> > > etc., the meter
> > > needle pegs hard to the right.
> > > It's impossible to keep the meter within the ALC
> > > zone unless I turn
> > > the mic gain to almost zero!
> > > Rig is correctly tuned into a suitable load and
> on
> > > CW max ALC

> > > coincides with max power out.
> > > Anybody got any ideas?
> > > Rick
> > >
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> > =====
> >
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> >
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> [Non-text portions of this message have been
> removed]
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2272. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 12:38:26 UTC
From: Bill K0ZL
Topic: 2266 Message: 2272

You could also use a silicon diode across the meter in the fwd direction, if the meter sensitivity will allow it.

Look for the ALM line, perhaps you can insert a series resistor to limit the current to the meter.

I would not use a cap as it will slow your meter response down.

ALC comes from the circuit that looks for grid current to be flowing in the finals. Could be something wrong there that is allowing too much current to the meter on voice peaks.

If you look at the grid circuit for the PA you will see a rectifier or voltage doubler circuit, such that any grid current at all will generate a negative-going voltage; this is the ALC control voltage.

If you are able to get the same output power on voice peaks as you do on CW/"max smoke tuneup", or slightly more, then the ALC circuit is probably working ok as far as the transmit gain control stage are concerned. If that is the case, then all you want to look at is the metering part and not change anything in the transmitter gain control stages.
--- Rick <vk7rl@...> wrote:

> Hi Bill,
> Thanks for the reply. I have a copy of the workshop
> manual but,
> unlike most rigs (as you said), there does not
> appear to be any
> internal pot to set the on-scale ALC level.
> Audio is fine - just hope I don,t wreck the meter! I
> may try putting
> an electrolytic cap across the ALC section of the
> switch to slow
> things down a bit.
> Cheers,
> Rick
>
> In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:

> > If you are not getting any complaints of edgy
> audio,
> > or splatter, it could be that the ALC meter
> circuit is
> > just really sensitive. I wouldn't worry too much
> about
> > it.
> >
> > Is there an adjustment on the 530 for ALC full
> scale?
> >
> > I know there is on most of the newer rigs.
> >
> > b
> >
> > --- vk7rl <vk7rl@y...> wrote:
> >
> > > When operating my 530s on SSB I get max ALC with
> the
> > > mic gain at 9
> > > o'clock position using the standard hand mic
> (the
> > > manual suggests 12
> > > o'clock). The trouble is on certain words, like
> four
> > > etc., the meter
> > > needle pegs hard to the right.
> > > It's impossible to keep the meter within the ALC
> > > zone unless I turn
> > > the mic gain to almost zero!
> > > Rig is correctly tuned into a suitable load and
> on
> > > CW max ALC
> > > coincides with max power out.
> > > Anybody got any ideas?
> > > Rick
> > >
> > >
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> >
> > =====
> >
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2273. test equipment?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 16:55:26 UTC
From: taephono
Topic: 2273 Message: 2273

looking for some reccomendations on test equipment to work on
these older Kenwood/Trio rigs?
Signal generator, frequency counter...etc?

73,
Clint
WS1V

2274. Re: [TS-520_820_530_830] test equipment?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 17:18:47 UTC
From: Bill K0ZL
Topic: 2273 Message: 2274

Wavetek 3000 service monitor, abt 700 for working one,
lets you fix 2m/450 gear as well.

30 Mhz scope is nice but not necessary.

freq counter, hardly ever used,

Good dvm and temp controlled solder iron, abs
necessary.

RF probe for your DVM is very handy.

I fix most problems with DVM, solder iron, service
monitor (you need a "known" signal source, in
microvolts, to be sure receivers working) and service
manual.

bill
--- taephono <taephono@...> wrote:

> looking for some reccomendations on test equipment
> to work on
> these older Kenwood/Trio rigs?
> Signal generator, frequency counter...etc?
>
> 73,
> Clint
> WS1V
>
>

=====

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2275. Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 17:34:07 UTC
From: kzerokav
Topic: 2275 Message: 2275

Does anyone know of someone who refinishes cabinets? I have a cabinet I would like to have refinished on a 520SE.

I have refinished some myself in the past but always lost the texture in the paint.

Thanks for any help you can offer.

Van,
KL7TDZ

email: kavan@...
KL7TDZ@...

2276. Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-02 23:23:02 UTC
From: ku4a
Topic: 2266 Message: 2276

My 520, 820 and 830 all do this, but the audio reports I get are all fine. I just assume it is due to the fact that I have a loud voice :-). It does serve to make me keep the mic gain low, as it should be.

KU4A

2277. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 12:39:15 UTC
From: Bill K0ZL
Topic: 2266 Message: 2277

That's the purpose of the ALC meter for sure.

If you can find a monitor scope (the SM-220 or 230
without the band scope option are plentiful), sure can
show you a lot about your sigs.

b

--- ku4a <ku4a@...> wrote:

> My 520, 820 and 830 all do this, but the audio
> reports I get are all
> fine. I just assume it is due to the fact that I
> have a loud voice
> :-). It does serve to make me keep the mic gain low,
> as it should be.
>
> KU4A
>
>

=====

"If in doubt, MODIFY" --k0zl

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2278. FS: Very nice Kenwood AT-200 Antenna Tuner

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 14:16:39 UTC
From: kzerokav
Topic: 2278 Message: 2278

This tuner was designed for the Kenwood 520/820 series radios but
will work with any radio. It is a very well cared for, two owner
unit. Cabinets are a 9/10 and front panel and operation are a 10/10.
It also comes with the original Kenwood factory Operating Manual,
also in excellent condx. $165 shipped/insured in the Conus.

Please reply direct to:

kavan at neb dot rr dot com

Thanks,

Van,
KL7TDZ

2279. Grounding antennas ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 18:44:51 UTC
From: taephono
Topic: 2279 Message: 2279

I'm looking for ideas and methods to ground my antennes when not in
use ...
what does other use to do this on the group?

Thanks,
Clint - WS1V

2280. Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 19:01:14 UTC
From: ku4a
Topic: 2266 Message: 2280

> If you can find a monitor scope (the SM-220 or 230
> without the band scope option are plentiful), sure can
> show you a lot about your sigs.

Yup, there are plenty of them out there, but not at a price I am
willing to pay :-).

KU4A

2281. Re: [TS-520_820_530_830] Grounding antennas ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 19:21:59 UTC
From: KD5SFA
Topic: 2279 Message: 2281

There is a group called hamgrounding that deals in just the topic of grounding.

73,
Jon
KD5SFA

-----Original Message-----
From: taephono <taephono@...>
Sent: Sep 3, 2004 2:44 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Grounding antennas ...

I'm looking for ideas and methods to ground my antennes when not in
use ...
what does other use to do this on the group?

Thanks,
Clint - WS1V

Yahoo! Groups Links

2282. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 19:26:49 UTC
From: peter A markavage
Topic: 2266 Message: 2282

You can use almost any "cheap" scope. Build a "cheap" diode detector from junk box or radio shack parts. Without a scope, you really have no clue how good or clean your signal is. Flea market scopes can start at a $1.00. Using the traditional on the air query "how do I sound now?" doesn't always work.
Pete, wa2cwa

On Fri, 03 Sep 2004 19:01:14 -0000 "ku4a" <ku4a@...> writes:
> If you can find a monitor scope (the SM-220 or 230
> without the band scope option are plentiful), sure can
> show you a lot about your sigs.

Yup, there are plenty of them out there, but not at a price I am willing to pay :-).

KU4A

[Non-text portions of this message have been removed]

2283. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-03 19:29:40 UTC
From: Rbraddock
Topic: 2266 Message: 2283

Somebody just posted one on Eham this morning for $325 with Pan Adapter.

AE4BP
----- Original Message -----
From: ku4a
To: TS-520_820_530_830@yahoogroups.com
Sent: Friday, September 03, 2004 3:01 PM
Subject: [TS-520_820_530_830] Re: ALC on steroids?

> If you can find a monitor scope (the SM-220 or 230
> without the band scope option are plentiful), sure can
> show you a lot about your sigs.

Yup, there are plenty of them out there, but not at a price I am
willing to pay :-).

KU4A

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http://groups.yahoo.com/group/TS-520_820_530_830/

b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

[Non-text portions of this message have been removed]

2284. Re: Grounding antennas ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-04 03:37:50 UTC
From: pchapman9202003
Topic: 2279 Message: 2284

I may catch a little grief for my answer from others. I am not a grounding wizard, but here is my advice anyway. First answer a few questions for yourself. Are you going to be using multiple antennas? Are you going to be using more than one rig? Do you have an antenna tuner? Bear in mind that what I am telling you will not give you hard core protection. It will only lessen the risk. When lightning get's really PO'd it will go where it wants to. Going on the assumption you are not running a zillion things in shack and need more juice..... If you own your home and can run simple AC circuits, get a 20 amp breaker and use #12 Romex (required by code for 20 amp circuits)and run to your panel. Now you have a dedicated circuit. If your garage door opener, tv, computer, alarm system, etc is sitting on the circuit you are currently using in your shack, you will then lessen the effect of whiplash if they blow out by adding a new circuit. Big time on the computer cuz that can come in from the phone line, DSL, dial up whatever WITHOUT considering the power. It could jump into the circuit. If your ham gear is worth spending $100.00 on, get a UPS. (Get a separate one on another circuit for your computer with a phone line suppressor.) For that $100 amount you spend on your shack gear UPS you can get a nice 700 to 1000 va UPS at your wholesale club with damage reimbursement. (Some UPS units have surge protection for phone lines, but that is only effective to the best degree if you interupt it at the first stop in the house from the network protector. i.e. you might protect one computer and blow up the rest. (If you can't insert at the source get a phone line supressor for each computer if you have an analog line or multipoint dsl breakdown) My DSL comes into the shack and is stopped with protection and then goes back out Ethernet and analog.) Keep receipt for the UPS as though it were gold. Make 10 copies. Send in the warranty slip with pictures of your equipment attached. They will throw them away, but you can afa davit a sworn statement that you did. Tape a copy of the receipt to the UPS with a packing slip stick on. Next get a good grounding bar. Home Depot etc. Copper with usually 5 or 6 ground holes for screw down securing. Run ground wire #6 from the bar to your power/phone line ground rod. Should be one in the same. You may need an extra clamp for the rod, depending on what they left you with. All grounds you run to the ground bar from your rig equipment should be smaller. You want lightning to take the path of least resistnce, not equal or more. Use #8 or #10 from the ham gear. If you are running multiple antennas, get a good antenna switch that has an off/unused position on the switch that defaults to ground. If you are running multiple rigs to one antenna through a switch, do the same, where you have an open position. (They can have some amount of feedback so you may only want to have one at a time powered up)If you are buying an antenna tuner in the

future, add another small layer of protection with multiple antenna positions and leave one open to switch to when not in use. So do I have you protected now? No I do not, I have only lessened your risk. You have to remember that lightning can come in from your power line, your phone line, or even, yes, your antenna. You must protect all. One thing that is an equipment killer is the mini-surge that can originate from your power company or mini interuptions that occur. I.E. Power drops for a few milliseconds without a true down time. A lot of stuff in your house suffers when that happens. Not enough for a reboot, but enough to drive components into a frenzy that might take some time while damage is occuring to cause failures over a period of time from not having the proper reset that they needed. Level out the risk and surges.... UPS everything possible of value. Just remember most UPS have back up power outlets and surge protection outlets. Super juice hungry stuff like laser printers put on the surge side. Keep the ham gear (on a different UPS, if possible)on the continuous power side. It does not draw much power idle but great damage could occur if the power is not filtered and regulated at constant voltage. A good UPS will help eliminate that problem as well as the bolts from the sky, but no guarantees, just reduction in risk. The group moderator Bill, K0ZL may have some comment or critic to my statements if I am incorrect, and Bill, most welcome if you do if I need any corrections. Good luck and hope this ramble was helpful.

2285. Re: [TS-520_820_530_830] Grounding antennas ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-04 12:21:56 UTC
From: Bill K0ZL
Topic: 2279 Message: 2285

Most destructive pulse currents come in on the
grounds, braids, etc on antenna lead-ins so it's real
important to get those grounded just where they come
in the shack, so the current doesn't end up in the
house.

If you ground antennas but leave coax etc hooked to
the rigs, the current will still get 'em.

b

--- taephono <taephono@...> wrote:

> I'm looking for ideas and methods to ground my
> antennes when not in
> use ...
> what does other use to do this on the group?
>
> Thanks,
> Clint - WS1V
>
>

=====

"If in doubt, MODIFY" --k0zl

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2286. Re: [TS-520_820_530_830] Re: ALC on steroids?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-04 12:22:47 UTC
From: Bill K0ZL
Topic: 2266 Message: 2286

What are they going for, without the pan adapter?

I found the panadapter on my old one to be nearly
useless.

bill

--- Rbraddock <rbraddock@...> wrote:

> Somebody just posted one on Eham this morning for
> $325 with Pan Adapter.
>
> AE4BP
> ----- Original Message -----
> From: ku4a
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Friday, September 03, 2004 3:01 PM
> Subject: [TS-520_820_530_830] Re: ALC on steroids?
>
>
> > If you can find a monitor scope (the SM-220 or
> 230
> > without the band scope option are plentiful),
> sure can
> > show you a lot about your sigs.
>
> Yup, there are plenty of them out there, but not
> at a price I am
> willing to pay :-).
>
> KU4A
>
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>

> b.. To unsubscribe from this group, send an
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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2287. Re: [TS-520_820_530_830] Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-05 22:15:01 UTC
From: Mike
Topic: 2275 Message: 2287

I have a TS-520 that was repainted very poorly so I will be attempting to refinish it myself. The paint will be color matched against an original AT-200 and will hopefully have the same finish.

With the amount of paint I will have to purchase I should be able to do about 20 sets of covers. Let me try it out on my own radio before I offer to paint any others, that way if it looks horrible I'm the only one who is out anything.

There used to be someone who sold Kenwood colors in spray cans on eBay, you might check to see if they are still available. Has anyone on the list every tried these?

>Does anyone know of someone who refinishes cabinets? I have a
>cabinet I would like to have refinished on a 520SE.
>
>I have refinished some myself in the past but always lost the
>texture in the paint.
>
>Thanks for any help you can offer.

2288. Re: [TS-520_820_530_830] Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-06 13:00:20 UTC
From: Bill K0ZL
Topic: 2275 Message: 2288

Be sure to cook your covers at about 200 deg F for 2
hours, or until the paint fumes are gone. This will
give you a rock-hard, very scratch resistant finish.

bill

--- Mike <mdietrich@...> wrote:

> I have a TS-520 that was repainted very poorly so I
> will be attempting to
> refinish it myself. The paint will be color matched
> against an original
> AT-200 and will hopefully have the same finish.
>
> With the amount of paint I will have to purchase I
> should be able to do
> about 20 sets of covers. Let me try it out on my
> own radio before I offer
> to paint any others, that way if it looks horrible
> I'm the only one who is
> out anything.
>
> There used to be someone who sold Kenwood colors in
> spray cans on eBay, you
> might check to see if they are still available. Has
> anyone on the list
> every tried these?
>
> >Does anyone know of someone who refinishes
> cabinets? I have a
> >cabinet I would like to have refinished on a 520SE.
> >
> >I have refinished some myself in the past but
> always lost the
> >texture in the paint.
> >
> >Thanks for any help you can offer.
>
>

=====

"If in doubt, MODIFY" --k0zl

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2289. Re: [TS-520_820_530_830] Grounding antennas ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-07 02:29:01 UTC
From: Eric Webner
Topic: 2279 Message: 2289

Do a search on grounds. There are a number of methods available, though not one will guarantee that a lightning strike won't get your equipment. I disconnect leads from rigs during storms.

Beyond that, my best recommendation, in a word, is POLYPHASER. They are the most highly recognized manufacturer of lightning protection equipment.

Eric

Bill K0ZL <coorsbill@...> wrote:
Most destructive pulse currents come in on the
grounds, braids, etc on antenna lead-ins so it's real
important to get those grounded just where they come
in the shack, so the current doesn't end up in the
house.

If you ground antennas but leave coax etc hooked to
the rigs, the current will still get 'em.

b

--- taephono <taephono@...> wrote:

> I'm looking for ideas and methods to ground my
> antennes when not in
> use ...
> what does other use to do this on the group?
>
> Thanks,
> Clint - WS1V
>
>

=====

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[Non-text portions of this message have been removed]

2290. computer control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 07:19:46 UTC
From: blobby12uk
Topic: 2290 Message: 2290

I have put the ic-10 kit into the TS-440S ,at the same time as
replacing the lithium battery.
I cant get the pc to control the txcer,I have the if-232 interface.
There is a fault somwhere.
Is there a simple way to test the port on the radio.I not to bothered
if the kenwood interface is bad because I could build a level
converter.
There is a reference to the rs-232 cable in the if-232 manual,normal
and cross wired.Which one should I make up to use with a modern pc
and "ham radio deluxe" software.
Bob
G7JHW

2291. 3SK41(L) replacement

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 13:50:45 UTC
From: dave larson
Topic: 2291 Message: 2291

Hello group. Name is Dave and just joined the group.
I have a TS-520 with a bad Q3 (3SK41(L)) on the
RF board. Been looking around for a replacement but
have not had any luck finding one yet.
Does anyone know where I can buy one of these critters
?
Has anyone had any luck with the NTE type general
replacement parts like a NTE-222 ? I think I would
like to go with the original part number if I can
get one.

Thanks es 73
Dave WB0TSR

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2292. Re: [TS-520_820_530_830] 3SK41(L) replacement

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 18:44:41 UTC
From: Bill K0ZL
Topic: 2291 Message: 2292

The NTE-222 is the recommended replacement. You can
also use the 40673 RCA transistor.

b

--- dave larson <wb0tsr2003@...> wrote:

> Hello group. Name is Dave and just joined the group.
> I have a TS-520 with a bad Q3 (3SK41(L)) on the
> RF board. Been looking around for a replacement but
> have not had any luck finding one yet.
> Does anyone know where I can buy one of these
> critters
> ?
> Has anyone had any luck with the NTE type general
> replacement parts like a NTE-222 ? I think I would
> like to go with the original part number if I can
> get one.
>
> Thanks es 73
> Dave WB0TSR
>
>
>
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2293. difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 20:27:34 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2293 Message: 2293

Hi all,

It appears the major difference between a 520 and a 520s is the inclusion of 160 meters? What is the difference between a 520s and 520se? If there are any other substantial differences between the 520 and 520s I would be greatful to know what those are as well.

Many thanks in advance,

Sean

_____
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2294. Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 20:45:02 UTC
From: Brent Baum
Topic: 2293 Message: 2294

Sean,
As the proud owner of an SE model I can offer the followig:
The main differences in the SE model are that:

1. No DC power supply connection, 120v AC operation only
2. Transverter connections and associated switches, etc. were removed
3. Locations on the back panel for some of the sockets, switches, etc. were moved around

Other than the above the SE is basically the same radio. As proof of this, when I opened up my SE I saw that the circuit boards still had all the connection points for the transverter circuitry. Some say that the SE has somewhat better receive sensitivity and perhaps a little better transmitted audio, but those are points of contention with many.

Also note that with the S model Kenwood added the RCA jacks for the DG-5 digital display unit to the back of the radio. The S model has the transverter switch rewired to allow automatic switching between the radio and transverter.

Hope this helps.

73 de K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@h...> wrote:
> Hi all,
>
> It appears the major difference between a 520 and a 520s is the inclusion of
> 160 meters? What is the difference between a 520s and 520se? If there are
> any other substantial differences between the 520 and 520s I would be
> greatful to know what those are as well.
>
> Many thanks in advance,
>
> Sean
>
> _____
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> http://toolbar.msn.click-url.com/go/onm00200415ave/direct/01/

2295. Re: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-08 21:39:13 UTC
From: Norm Fusaro
Topic: 2293 Message: 2295

The nomenclature is similar to that used by Yaesu during the 70's where the E meant economy. Yaesu's FT101E had an EE=economy and an EX extreme economy models where certain features like 12 volt operation were deleted from the rig. Kenwood di the same thing in order to capture a market where $100 meant the difference in a new rig or keeping the old one.
If you think about what these rigs cost new back then and what people were making, they were very expensive. A Ford was selling for about $2000 and a Lincoln was in the $5000 neighborhood. A brand new FT-101E cost $750 and I think a TS-830 was about $800.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Brent Baum" <brent.baum@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, September 08, 2004 4:45 PM
Subject: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS 520se

Sean,
As the proud owner of an SE model I can offer the followig:
The main differences in the SE model are that:

1. No DC power supply connection, 120v AC operation only
2. Transverter connections and associated switches, etc. were removed
3. Locations on the back panel for some of the sockets, switches, etc. were moved around

Other than the above the SE is basically the same radio. As proof of this, when I opened up my SE I saw that the circuit boards still had all the connection points for the transverter circuitry. Some say that the SE has somewhat better receive sensitivity and perhaps a little better transmitted audio, but those are points of contention with many.

Also note that with the S model Kenwood added the RCA jacks for the DG-5 digital display unit to the back of the radio. The S model has the transverter switch rewired to allow automatic switching between the radio and transverter.

Hope this helps.

73 de K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat that won't cop out even when there's danger all about....."
<seanfried@h...> wrote:
> Hi all,

>
> It appears the major difference between a 520 and a 520s is the
inclusion of
> 160 meters? What is the difference between a 520s and 520se? If
there are
> any other substantial differences between the 520 and 520s I would
be
> greatful to know what those are as well.
>
> Many thanks in advance,
>
> Sean
>
> _____
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Yahoo! Groups Links

2296. Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-09 01:41:34 UTC
From: pchapman9202003
Topic: 2293 Message: 2296

Great response Brent. I have seen this question several times, but this is great, straight answer. This one should go to files.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> Sean,
> As the proud owner of an SE model I can offer the followig:
> The main differences in the SE model are that:
>
> 1. No DC power supply connection, 120v AC operation only
> 2. Transverter connections and associated switches, etc. were removed
> 3. Locations on the back panel for some of the sockets, switches,
> etc. were moved around
>
> Other than the above the SE is basically the same radio. As proof of
> this, when I opened up my SE I saw that the circuit boards still had
> all the connection points for the transverter circuitry. Some say
> that the SE has somewhat better receive sensitivity and perhaps a
> little better transmitted audio, but those are points of contention
> with many.
>
> Also note that with the S model Kenwood added the RCA jacks for the
> DG-5 digital display unit to the back of the radio. The S model has
> the transverter switch rewired to allow automatic switching between
> the radio and transverter.
>
> Hope this helps.
>
> 73 de K7MEI
>

> > _____
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2297. Re: 3SK41(L) replacement

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-09 13:17:06 UTC
From: wb0tsr2003
Topic: 2291 Message: 2297

Thanks Bill. I'll give the NTE-222 a try.

Dave WB0TSR

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> The NTE-222 is the recommended replacement. You can
> also use the 40673 RCA transistor.
>
> b
>
> --- dave larson <wb0tsr2003@y...> wrote:
>
> > Hello group. Name is Dave and just joined the group.
> > I have a TS-520 with a bad Q3 (3SK41(L)) on the
> > RF board. Been looking around for a replacement but
> > have not had any luck finding one yet.
> > Does anyone know where I can buy one of these
> > critters
> > ?
> > Has anyone had any luck with the NTE type general
> > replacement parts like a NTE-222 ? I think I would
> > like to go with the original part number if I can
> > get one.
> >
> > Thanks es 73
> > Dave WB0TSR
> >
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2298. Re: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-09 16:15:56 UTC
From: peter A markavage
Topic: 2293 Message: 2298

You forgot the following:

1. FIXCH.AVR unit modifications to eliminate the DC-DC converter (-6V)
2. The marker unit has been redesigned to a new circuit
3. Modifications for the introduction of the CW NARROW/WIDE switching function.

Pete, WA2CWA

On Thu, 09 Sep 2004 01:41:34 -0000 "pchapman9202003" <p_chap@...> writes:
Great response Brent. I have seen this question several times, but this is great, straight answer. This one should go to files.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> Sean,
> As the proud owner of an SE model I can offer the followig:
> The main differences in the SE model are that:
>
> 1. No DC power supply connection, 120v AC operation only
> 2. Transverter connections and associated switches, etc. were removed
> 3. Locations on the back panel for some of the sockets, switches,
> etc. were moved around
>
> Other than the above the SE is basically the same radio. As proof of
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> that the SE has somewhat better receive sensitivity and perhaps a
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> Also note that with the S model Kenwood added the RCA jacks for the
> DG-5 digital display unit to the back of the radio. The S model has
> the transverter switch rewired to allow automatic switching between
> the radio and transverter.
>
> Hope this helps.
>

> 73 de K7MEI

[Non-text portions of this message have been removed]

2299. RE: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-09 16:19:43 UTC
From: Brent Baum
Topic: 2293 Message: 2299

Thanks, I didn't have my service manual here at the office so I was going from memory. It appears that my memory is beginning to resemble Swiss cheese more and more as time goes on.

Brent, K7MEI

-----Original Message-----
From: peter A markavage [mailto:pmarkavage@...]
Sent: Thursday, September 09, 2004 10:16 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS 520se

You forgot the following:

1. FIXCH.AVR unit modifications to eliminate the DC-DC converter (-6V)
2. The marker unit has been redesigned to a new circuit
3. Modifications for the introduction of the CW NARROW/WIDE switching function.

Pete, WA2CWA

On Thu, 09 Sep 2004 01:41:34 -0000 "pchapman9202003" <p_chap@...> writes:
Great response Brent. I have seen this question several times, but this is great, straight answer. This one should go to files.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> Sean,
> As the proud owner of an SE model I can offer the followig:
> The main differences in the SE model are that:
>
> 1. No DC power supply connection, 120v AC operation only
> 2. Transverter connections and associated switches, etc. were removed
> 3. Locations on the back panel for some of the sockets, switches,
> etc. were moved around
>
> Other than the above the SE is basically the same radio. As proof of
> this, when I opened up my SE I saw that the circuit boards still had
> all the connection points for the transverter circuitry. Some say
> that the SE has somewhat better receive sensitivity and perhaps a
> little better transmitted audio, but those are points of contention
> with many.
>

> Also note that with the S model Kenwood added the RCA jacks for
the
> DG-5 digital display unit to the back of the radio. The S model
has
> the transverter switch rewired to allow automatic switching
between
> the radio and transverter.
>
> Hope this helps.
>
> 73 de K7MEI

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

2300. Re: TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-09 22:25:17 UTC
From: james27613@att.net
Topic: 2300 Message: 2300

Hi,

The 520 had the ch select switch between the meter
and the vfo dial to select fixed crystal 1-4 frequencies.
Meter function switch was coaxial to the load control.

The other models replaced the above with the meter
function switch and did not offer fixed crystal.

73 james ke4drn

2301. Re: difference TS-520 VS 520s VS 520se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 02:11:41 UTC
From: pchapman9202003
Topic: 2293 Message: 2301

Negative Brent. We have planned gaps of unintended memory obselsence.
HI!!!

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum"
<brent.baum@s...> wrote:
> Thanks, I didn't have my service manual here at the office so I
was going from memory. It appears that my memory is beginning to
resemble Swiss cheese more and more as time goes on.
>
> Brent, K7MEI
>
> -----Original Message-----
> From: peter A markavage [mailto:pmarkavage@j...]
> Sent: Thursday, September 09, 2004 10:16 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Re: difference TS-520 VS 520s VS
520se
>
>
> You forgot the following:
>
> 1. FIXCH.AVR unit modifications to eliminate the DC-DC converter (-
6V)
> 2. The marker unit has been redesigned to a new circuit
> 3. Modifications for the introduction of the CW NARROW/WIDE
switching
> function.
>
> Pete, WA2CWA
>
> On Thu, 09 Sep 2004 01:41:34 -0000 "pchapman9202003"
> <p_chap@b...> writes:
> Great response Brent. I have seen this question several times, but
> this is great, straight answer. This one should go to files.
>
> --- In TS-520_820_530_830@yahoogroups.com, "Brent Baum"
> <brent.baum@s...> wrote:
> > Sean,
> > As the proud owner of an SE model I can offer the followig:
> > The main differences in the SE model are that:
> >
> > 1. No DC power supply connection, 120v AC operation only
> > 2. Transverter connections and associated switches, etc. were
> removed
> > 3. Locations on the back panel for some of the sockets,

switches,
> > etc. were moved around
> >
> > Other than the above the SE is basically the same radio. As
proof
> of
> > this, when I opened up my SE I saw that the circuit boards still
> had
> > all the connection points for the transverter circuitry. Some
say
> > that the SE has somewhat better receive sensitivity and perhaps
a
> > little better transmitted audio, but those are points of
> contention
> > with many.
> >
> > Also note that with the S model Kenwood added the RCA jacks for
> the
> > DG-5 digital display unit to the back of the radio. The S model
> has
> > the transverter switch rewired to allow automatic switching
> between
> > the radio and transverter.
> >
> > Hope this helps.
> >
> > 73 de K7MEI
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]

2302. TS-820; 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 03:11:59 UTC
From: emporiaars
Topic: 2302 Message: 2302

Hello All, I've been reading on the 520 differences and suppose that the same goes for the 820 & 820S. Right? What is the need for the DC to DC converter. What is wrong with hooking 12v to the rig. I would liketohavethe 12v capibility for one of my 820's. Just in case the need ever arise. I am looking on e-bay and at local Kansas hamfests too. When I get to looking for a mobil HF rig what is the best bang for the buck. I'm a single parent with, like most everybody I know, a really tight budget. I would like to have an Icom 706 w/ 2&70cm but their out of my price range. Thanks Mike KCØNFG

2303. Re: [TS-520_820_530_830] TS-820; 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 06:20:59 UTC
From: peter A markavage
Topic: 2302 Message: 2303

820S has digital display; 820 didn't.
Need for DC to DC converter: it's kind of hard to convert 12V DC to approx. 800V DC for the 6146 plates without the use of a DC to DC converter. Of course, you could also use a 12V to 120V AC Inverter and just plug the AC plug into it.

Pete, wa2cwa

On Fri, 10 Sep 2004 03:11:59 -0000 "emporiaars" <kc0nfg@...> writes:
Hello All, I've been reading on the 520 differences and suppose that the same goes for the 820 & 820S. Right? What is the need for the DC to DC converter. What is wrong with hooking 12v to the rig. I would liketohavethe 12v capibility for one of my 820's. Just in case the need ever arise. I am looking on e-bay and at local Kansas hamfests too. When I get to looking for a mobil HF rig what is the best bang for the buck. I'm a single parent with, like most everybody I know, a really tight budget. I would like to have an Icom 706 w/ 2&70cm but their out of my price range. Thanks Mike KCØNFG

[Non-text portions of this message have been removed]

2304. Re: TS-820; 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 14:10:39 UTC
From: pchapman9202003
Topic: 2302 Message: 2304

Unless you need the 2/70 feature and tiny size, go down one step to the 718. I have one. Good bang for bucks. They do go as low as $449 with DSP and full warranty new. If you are doing mobile, go to the battery and no power suply is needed. Then look around for an astron rs 35m with meters to bring it indoors later. Sometimes you can find them $75 to $100. If you have a decent 820 that you can sell, it should bring 200-300 So potentially you could go mobile with WARC and an 8 pound radio for about $150. A lot easier to put in a shock case and throw in the trunk for security when you get out of your car.

--- In TS-520_820_530_830@yahoogroups.com, "emporiaars" <kc0nfg@b...> wrote:
> Hello All, I've been reading on the 520 differences and suppose that
> the same goes for the 820 & 820S. Right? What is the need for the DC
> to DC converter. What is wrong with hooking 12v to the rig. I would
> liketohavethe 12v capibility for one of my 820's. Just in case the
> need ever arise. I am looking on e-bay and at local Kansas hamfests
> too. When I get to looking for a mobil HF rig what is the best bang
> for the buck. I'm a single parent with, like most everybody I know, a
> really tight budget. I would like to have an Icom 706 w/ 2&70cm but
> their out of my price range. Thanks Mike KCØNFG

2305. Re: TS-820; 820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 17:37:21 UTC
From: Greg
Topic: 2302 Message: 2305

Caution! I have been told that using one the dc-to ac invertes, sold at Walmart etc, (so you just plug your rig into it) should not be used to power your rigs. Unless you buy the more expensive SINEWAVE output type, most have a square wave output, which is very hard n your radios transformer.

I dont want to take the chance of ruining my Rigs Xformer, so I bought the Kenwood 12 volt accessory that attaches to the back of the TS-820S rig and rewires the Xfromer for 12VDC. Got it on the Swapnet for 15 dollars!
The transistors used to make one are vry expensive, but the parts themselves are few and it would be easy to homebrew one.

Perhaps someone else can comment on the square wave output of these 12v DC to 120v AC Inverters and if is possible to smooth them out to sinewave performance, or if in fact, it is even required whn used wiht valuable rigs.

73 Greg

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> 820S has digital display; 820 didn't.
> Need for DC to DC converter: it's kind of hard to convert 12V DC to
> approx. 800V DC for the 6146 plates without the use of a DC to DC
> converter. Of course, you could also use a 12V to 120V AC Inverter and
> just plug the AC plug into it.
>
> Pete, wa2cwa
>
>
>

2306. slight Kenwood content and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 18:26:38 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2306 Message: 2306

Hi all,

Waiting to go back on the air after being away since 1983 or so. My new call just posted on the ULS site, KC9GNA, and I sent in the paper work this morning to claim my old call, WA2LKV. Last week I won a 520s on eBay and I am anxiously awaiting its arrival.

In the meantime, I wanted to start getting my antenna situation in order. Being so out of touch I have no idea where we are in the sunspot cycle and what bands are open. I always preferred 15 and 10 and was going to start building myself a quad BUT....if these bands are currently dead, I will work on something else. Can someone please tell me what is open these days. I have looked on the internet but not seen much info. I hope this is not too off topic...did I say I was waiting on my 520s?

Many TIAs

Sean

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2307. RE: [TS-520_820_530_830] slight Kenwood content and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 18:30:39 UTC
From: Brent Baum
Topic: 2306 Message: 2307

20 and 40 are usually good all the time, I've been as far as New Zealand from the mountains in Utah with my 520SE on a half wave 20 meter dipole 14 feet off the ground. Arm chair copy. 20 and 40 dipoles aren't impossibly long either, about 32 feet for 20 and 64 1/2 feet for 40.

Hope to hear you soon,

73 de K7MEI

-----Original Message-----
From: Sean.....He's the cat that won't cop out even when there's danger all about..... [mailto:seanfried@hotmail.com]
Sent: Friday, September 10, 2004 12:27 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] slight Kenwood content and a question

Hi all,

Waiting to go back on the air after being away since 1983 or so. My new call just posted on the ULS site, KC9GNA, and I sent in the paper work this morning to claim my old call, WA2LKV. Last week I won a 520s on eBay and I am anxiously awaiting its arrival.

In the meantime, I wanted to start getting my antenna situation in order. Being so out of touch I have no idea where we are in the sunspot cycle and what bands are open. I always preferred 15 and 10 and was going to start building myself a quad BUT....if these bands are currently dead, I will work on something else. Can someone please tell me what is open these days. I have looked on the internet but not seen much info. I hope this is not too off topic...did I say I was waiting on my 520s?

Many TIAs

Sean

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2308. not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 22:41:14 UTC
From: John
Topic: 2308 Message: 2308

Done a stupid thing the other day, switched on the TS-520 and left it to answer the phone, the antenna was plugged into another radio and the 'send' switch was on, now its not transmitting, is it likely that I just need a new pair of 6146's to get it going again or is there a chance I have done more damage. It recieves ok.

many thanks,

John 2EOEWL

2309. Re: [TS-520_820_530_830] not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 23:37:48 UTC
From: Norm Fusaro
Topic: 2308 Message: 2309

Was it in tune mode? if in SSB then there should not have been a signal.
CW the key had to be closed to send.

When you try to xmit can you hear a signal on another radio nearby? If so
this is a good sign. The 12BY7A should have some flourescent purple glow
when xmit also.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "John" <red_sierra_98@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, September 10, 2004 6:41 PM
Subject: [TS-520_820_530_830] not transmitting

> Done a stupid thing the other day, switched on the TS-520 and left it
> to answer the phone, the antenna was plugged into another radio and
> the 'send' switch was on, now its not transmitting, is it likely that
> I just need a new pair of 6146's to get it going again or is there a
> chance I have done more damage. It recieves ok.
>
> many thanks,
>
> John 2EOEWL
>
>
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2310. Re not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 23:58:47 UTC
From: John
Topic: 2310 Message: 2310

I didnt take any notice of what mode it was in at the time, but the meter needle was flickering backwards and forwards to full scale when I got back off the phone. Now when I key the mike there is no sign of transmitting. Now during tune up, occasionally I get full power output, but not very often and nothing when switched to ssb and using the microphone.
Any help is appreciated.

John 2E0EWL

2311. RE: [TS-520_820_530_830] Re not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-10 14:21:17 UTC
From: Bill Gerhold
Topic: 2310 Message: 2311

I think it is time to open up the rig and start measuring voltages.
Since you think you were transmitting
for some time, I would check the solder connections at the tube anodes
first. I don□t know if the tubes
can get hot enough to melt this solder but I would check it just the
same. The anode clamps may have
distorted and are no longer making good connection here. I would then
check the plate parasitic chokes
for damage. The ones at the tube anodes. If that checks out then you
will need to start measuring and
checking other components for failure.

1) Was there any smell of burned parts.
2) When you transmit, do you have full plate voltage on the meter.
3) When tuning up and you bang on the rig cover, does this do anything.
4) Do you hear any sizzling when trying to transmit?

K2WH

-----Original Message-----
From: John [mailto:red_sierra_98@...]
Sent: Saturday, September 11, 2004 5:59 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re not transmitting

I didnt take any notice of what mode it was in at the time, but the
meter needle was flickering backwards and forwards to full scale when
I got back off the phone. Now when I key the mike there is no sign of
transmitting. Now during tune up, occasionally I get full power
output, but not very often and nothing when switched to ssb and using
the microphone.
Any help is appreciated.

John 2E0EWL

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[Non-text portions of this message have been removed]

2312. Re not ransmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-11 00:29:28 UTC
From: John
Topic: 2312 Message: 2312

There was no smell of burning at all, and there is no sound of sizzling when keying the mike, its just as if the mike wiring is faulty, which it isnt, havent tried banging the radio yet, and when I key up, the metre does nothing, as I said on a previous posting, I did get a full output a couple of times while trying to tune up, but nothing on the keying of the microphone.

thanks again,

John 2E0EWL

2313. Re: [TS-520_820_530_830] not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-11 17:24:50 UTC
From: Bill K0ZL
Topic: 2308 Message: 2313

Not enough info here to tell.

What is the idling plate current in SSB?

Can you make the idling plate current increase with
the bias control?

Any funny smells?

I think these questions already asked, but I'm a
different doctor.

bill

--- John <red_sierra_98@...> wrote:

> Done a stupid thing the other day, switched on the
> TS-520 and left it
> to answer the phone, the antenna was plugged into
> another radio and
> the 'send' switch was on, now its not transmitting,
> is it likely that
> I just need a new pair of 6146's to get it going
> again or is there a
> chance I have done more damage. It recieves ok.
>
> many thanks,
>
> John 2EOEWL
>
>

=====

"If in doubt, MODIFY" --k0zl

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2314. Re: [TS-520_820_530_830] Re not transmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-11 17:28:30 UTC
From: Bill K0ZL
Topic: 2310 Message: 2314

I suspect that one of the taps melted off the tank
coil.

What band were you on when it happened?

What band did you test it on?

Do you have a dummy load?

Can you test it on another band?

bill

--- John <red_sierra_98@...> wrote:

> I didnt take any notice of what mode it was in at
> the time, but the
> meter needle was flickering backwards and forwards
> to full scale when
> I got back off the phone. Now when I key the mike
> there is no sign of
> transmitting. Now during tune up, occasionally I get
> full power
> output, but not very often and nothing when switched
> to ssb and using
> the microphone.
> Any help is appreciated.
>
> John 2E0EWL
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2315. Re: [TS-520_820_530_830] Re not ransmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-11 17:29:27 UTC
From: Bill K0ZL
Topic: 2312 Message: 2315

Also with rig unplugged and discharged, carefully
remove the PA cage cover, and check the plate choke.
These will sometimes burn open right at the top.

Bill
K0ZL

--- John <red_sierra_98@...> wrote:

> There was no smell of burning at all, and there is
> no sound of
> sizzling when keying the mike, its just as if the
> mike wiring is
> faulty, which it isnt, havent tried banging the
> radio yet, and when I
> key up, the metre does nothing, as I said on a
> previous posting, I
> did get a full output a couple of times while trying
> to tune up, but
> nothing on the keying of the microphone.
>
> thanks again,
>
> John 2E0EWL
>
>

=====

"If in doubt, MODIFY" --k0zl

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2316. Re: Re not ransmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-12 22:51:11 UTC
From: John
Topic: 2312 Message: 2316

Thanks for the help and advice to all,
Thing is the station is set up 40 miles away at another house, I was there today but had no time to look deeper into the problem, one thing I should mention is that the radio doesent switch from recieve to transmit when the PTT is keyed, of course it used to work 100% before this mess up. As I say, no smells of burning, no sizzling, push the the mike PTT and its like its not even plugged in.
thanks again,

John 2E0EWL

2317. RE: [TS-520_820_530_830] Re: Re not ransmitting

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-12 13:04:44 UTC
From: Bill Gerhold
Topic: 2312 Message: 2317

Maybe the T/R relay has welded in the transmit or receive mode. The T/R relay
coil materials (insulators etc.) could have melted and froze the relay in the
transmit mode physically.

K2WH

-----Original Message-----
From: John [mailto:red_sierra_98@...]
Sent: Monday, September 13, 2004 4:51 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Re not ransmitting

Thanks for the help and advice to all,
Thing is the station is set up 40 miles away at another house, I was
there today but had no time to look deeper into the problem, one
thing I should mention is that the radio doesent switch from recieve
to transmit when the PTT is keyed, of course it used to work 100%
before this mess up. As I say, no smells of burning, no sizzling,
push the the mike PTT and its like its not even plugged in.
thanks again,

John 2E0EWL

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[Non-text portions of this message have been removed]

2318. 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-14 13:49:06 UTC
From: KABOONA
Topic: 2318 Message: 2318

Hello all, this weekend I got my general ticket and went on to the wonderful world of HF. I played with my 897D for a while and then I decided to pull out the 820S I purchased a couple of months ago and give it an initial test. I followed the tuning procedure described in the manual. Plate current was as the manual said (60ma) When tuning the RF, I initially did not get 2/3 scale deflection on the meter's RF mode but was able to adjust it using the RF knob on the back of the unit. My question is, when transmitting I get about 100W PEP output on SSB using a MFJ SWR/Watt meter. I read the specifications in the manual and it says that the power output is 200W PEP. I visited the Rigpix.com website and it has this radio listed to 100W. What is the correct figure?
By the way, the antenna is a 20m dipole at about 18ft high in an inverted V configuration.
SWR on the meter is around 1.5. My measurements were all made on 20m SSB.
regards,

Jim
KB1KZI

2319. Re: [TS-520_820_530_830] 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-14 14:17:03 UTC
From: David Beet
Topic: 2318 Message: 2319

What you have is good. 200w PEP is input to the final stage, not output.
Well done!

----- Original Message -----
From: "KABOONA" <kaboona@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, September 14, 2004 2:49 PM
Subject: [TS-520_820_530_830] 820s real power output

> Hello all, this weekend I got my general ticket and went on to the
> wonderful world of HF. I
> played with my 897D for a while and then I decided to pull out the
> 820S I purchased a
> couple of months ago and give it an initial test. I followed the
> tuning procedure described
> in the manual. Plate current was as the manual said (60ma) When tuning the
RF, I
> initially did not get 2/3
> scale deflection on the meter's RF mode but was able to adjust it
> using the RF knob on the
> back of the unit. My question is, when transmitting I get about 100W
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> using a MFJ SWR/Watt meter. I read the specifications in the manual
> and it says that the
> power output is 200W PEP. I visited the Rigpix.com website and it has
> this radio listed to
> 100W. What is the correct figure?
> By the way, the antenna is a 20m dipole at about 18ft high in an
> inverted V configuration.
> SWR on the meter is around 1.5. My measurements were all made on 20m
> SSB.
> regards,
>
> Jim
> KB1KZI
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2320. RE: [TS-520_820_530_830] 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-14 14:29:11 UTC
From: Ron Kienzle
Topic: 2318 Message: 2320

I'm not a power metering expert by any stretch of the imagination, Jim, but after 46 years of watching watt meters, I've noticed a few things.

First of all, the OUTPUT of your 520 should be between 90 and 110 watts -- nominal output then, is 100. INPUT power to the final tubes is about 200 (plate current x plate voltage) but half of your power is dissipated in heat, light, and other inefficiencies.

Second, it takes a pretty good scientific meter to tell exactly what your output power is. Average, RMS, or PEP are all measured and computed differently. In CW with the key down, your MFJ should show about 100 watts +/- 10% assuming correct calibration. Same with the RF meter on your rig -- calibration is the key.

Finally, sometimes reflected power ADDS to your watt meter reading. So, if you've got about 10 watts reflected your meter could read 10 watts high. A high quality directional wattmeter like a Bird 43 is necessary for really accurate readings.

Sounds like your rig is doing exactly what it should and I wouldn't worry a bit more about it! Enjoy it, get a key, work some DX, win some contests, do some ragchewing!

73,

--Ron (KZ7P)

-----Original Message-----
From: KABOONA [mailto:kaboona@...]
Sent: Tuesday, September 14, 2004 9:49 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 820s real power output

Hello all, this weekend I got my general ticket and went on to the wonderful world of HF. I
played with my 897D for a while and then I decided to pull out the 820S I purchased a
couple of months ago and give it an initial test. I followed the tuning procedure described
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scale deflection on the meter's RF mode but was able to adjust it using the RF knob on the
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power output is 200W PEP. I visited the Rigpix.com website and it has
this radio listed to
100W. What is the correct figure?
By the way, the antenna is a 20m dipole at about 18ft high in an
inverted V configuration.
SWR on the meter is around 1.5. My measurements were all made on 20m
SSB.
regards,

Jim
KB1KZI

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[Non-text portions of this message have been removed]

2321. Re: [TS-520_820_530_830] 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-14 19:54:33 UTC
From: Bill K0ZL
Topic: 2318 Message: 2321

A TS-820 will only put OUT about 100-120 watts,
sometimes less on 10M. The old way of rating rigs was
to rate the plate INPUT power, which is always greater
than the OUTPUT power.

If you see 60 percent efficiency, you are doing very
well.

bill

--- KABOONA <kaboona@...> wrote:

> Hello all, this weekend I got my general ticket and
> went on to the
> wonderful world of HF. I
> played with my 897D for a while and then I decided
> to pull out the
> 820S I purchased a
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> inverted V configuration.
> SWR on the meter is around 1.5. My measurements were
> all made on 20m
> SSB.
> regards,
>
> Jim

> KB1KZI
>
>

=====

"If in doubt, MODIFY" --k0zl

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2322. Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 01:58:58 UTC
From: KABOONA
Topic: 2318 Message: 2322

Thanks to all who responded. It is good to know this rig is working fine. I am having a blast, the other night I even got to receive some pictures (SSTV) and also some psk31. I need to figure out the correct set up so I can transmit as well. It is not as simple with this
rig as with my newer rigs.
By the way, is anyone using the astatic D104 mike with their rig? That is what I have but I get the feeling that this mike might not be appropriate.
One more thing, I have my key on order!!
73

Jim
KB1KZI
--- In TS-520_820_530_830@yahoogroups.com, "KABOONA" <kaboona@y...> wrote:
> Hello all, this weekend I got my general ticket and went on to the
> wonderful world of HF. I
> played with my 897D for a while and then I decided to pull out the
> 820S I purchased a
> couple of months ago and give it an initial test. I followed the
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> in the manual. Plate current was as the manual said (60ma) When tuning the RF, I
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> this radio listed to
> 100W. What is the correct figure?
> By the way, the antenna is a 20m dipole at about 18ft high in an
> inverted V configuration.
> SWR on the meter is around 1.5. My measurements were all made on 20m
> SSB.
> regards,
>
> Jim
> KB1KZI

2323. 520 serial no.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 02:14:04 UTC
From: botr8
Topic: 2323 Message: 2323

Hello everyone,

I am a loyal lurker tho haven't
posted for a while hi.
Just picked up a very nice 520 and mc50
at a hamfest this weekend. The rig works
great and appears to have the orginal finals
in it. My question is the serial no. is 520,719
any one hazard a guess as to its age?

tnks and 73

Gary WB3DSJ

2324. Re: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 03:18:48 UTC
From: Bill K0ZL
Topic: 2318 Message: 2324

The D104 will work fine.

Later on you can get a Heil Prosound mic, which is the
tops for all kenwood rigs.

Keep the D104 for your vintage AM transmitter, when
you get one.

bill

--- KABOONA <kaboona@...> wrote:

> Thanks to all who responded. It is good to know this
> rig is working fine. I am having a
> blast, the other night I even got to receive some
> pictures (SSTV) and also some psk31. I
> need to figure out the correct set up so I can
> transmit as well. It is not as simple with this
> rig as with my newer rigs.
> By the way, is anyone using the astatic D104 mike
> with their rig? That is what I have but I
> get the feeling that this mike might not be
> appropriate.
> One more thing, I have my key on order!!
> 73
>
> Jim
> KB1KZI
> --- In TS-520_820_530_830@yahoogroups.com, "KABOONA"
> <kaboona@y...> wrote:
> > Hello all, this weekend I got my general ticket
> and went on to the
> > wonderful world of HF. I
> > played with my 897D for a while and then I decided
> to pull out the
> > 820S I purchased a
> > couple of months ago and give it an initial test.
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> > tuning procedure described
> > in the manual. Plate current was as the manual
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> > using the RF knob on the
> > back of the unit. My question is, when

> transmitting I get about 100W
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> > using a MFJ SWR/Watt meter. I read the
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> > and it says that the
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> > 100W. What is the correct figure?
> > By the way, the antenna is a 20m dipole at about
> 18ft high in an
> > inverted V configuration.
> > SWR on the meter is around 1.5. My measurements
> were all made on 20m
> > SSB.
> > regards,
> >
> > Jim
> > KB1KZI
>
>

=====

"If in doubt, MODIFY" --k0zl

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2325. Re: [TS-520_820_530_830] 520 serial no.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 03:19:11 UTC
From: Bill K0ZL
Topic: 2323 Message: 2325

Old.

hi!

bill K0ZL

--- botr8 <botr8@...> wrote:

> Hello everyone,
>
> I am a loyal lurker tho haven't
> posted for a while hi.
> Just picked up a very nice 520 and mc50
> at a hamfest this weekend. The rig works
> great and appears to have the orginal finals
> in it. My question is the serial no. is 520,719
> any one hazard a guess as to its age?
>
> tnks and 73
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> Gary WB3DSJ
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>

=====

"If in doubt, MODIFY" --k0zl

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2326. Resistors R7, R8 on Final Unit of TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 05:09:59 UTC
From: k7zs
Topic: 2326 Message: 2326

Just acquired THIRD TS-830S. Why? This was by far the BEST condition, it was local and very affordable.

So, all is terrific except power output is a bit low. About 75 - 90 watts. Have swapped out several sets of both drivers and finals, and get same output with tubes that put out 100+ watts in the other radios.

All voltages are very close to spec. HV is 915v on receive, 800 on xmit. Only real variation is on the 6146B pin 3 I measure only 248v on receive (instead of 264) and about 215 on Transmit (instead of 222). I decided to measure the voltage divider resistors, R7 and R8, that control this voltage (I am pretty sure, anyway!). Measuring across R7 I get 102 ohms, but on R8 I measure 151. These are supposed to be 100 ohms.

So, my questions are:
1. Are these resistors what controls this screen voltage
2. Can a low voltage here reduce power output.
3. Can I get an accurate measurement of the resistors without removing them from the board?
4. Any tips / tricks to easily remove and replace these resistors. I seem to remember that getting the FINAL UNIT out is quite difficult!

Any insights greatly appreciated!

73 Kevin K7ZS

2327. RE: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 13:55:08 UTC
From: Brent Baum
Topic: 2318 Message: 2327

I use an Astatic D-104 Black Eagle on my 520SE. Get great received audio reports, but I don't push the speech processor very hard.

73 de K7MEI

-----Original Message-----
From: KABOONA [mailto:kaboona@...]
Sent: Tuesday, September 14, 2004 7:59 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: 820s real power output

Thanks to all who responded. It is good to know this rig is working fine. I am having a blast, the other night I even got to receive some pictures (SSTV) and also some psk31. I need to figure out the correct set up so I can transmit as well. It is not as simple with this
rig as with my newer rigs.
By the way, is anyone using the astatic D104 mike with their rig? That is what I have but I get the feeling that this mike might not be appropriate.
One more thing, I have my key on order!!
73

Jim
KB1KZI
--- In TS-520_820_530_830@yahoogroups.com, "KABOONA" <kaboona@y...> wrote:
> Hello all, this weekend I got my general ticket and went on to the
> wonderful world of HF. I
> played with my 897D for a while and then I decided to pull out the
> 820S I purchased a
> couple of months ago and give it an initial test. I followed the
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> in the manual. Plate current was as the manual said (60ma) When tuning the RF, I
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> this radio listed to
> 100W. What is the correct figure?
> By the way, the antenna is a 20m dipole at about 18ft high in an
> inverted V configuration.
> SWR on the meter is around 1.5. My measurements were all made on 20m
> SSB.
> regards,

>
> Jim
> KB1KZI

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[Non-text portions of this message have been removed]

2328. Re: [TS-520_820_530_830] 520 serial no.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 14:57:21 UTC
From: Keith V
Topic: 2323 Message: 2328

I should be so old :-).

Van,
KL7TDZ

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, September 14, 2004 10:19 PM
Subject: Re: [TS-520_820_530_830] 520 serial no.

> Old.
>
> hi!
>
> bill K0ZL
>
> --- botr8 <botr8@...> wrote:
>
>> Hello everyone,
>>
>> I am a loyal lurker tho haven't
>> posted for a while hi.
>> Just picked up a very nice 520 and mc50
>> at a hamfest this weekend. The rig works
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>> any one hazard a guess as to its age?
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>> tnks and 73
>>
>> Gary WB3DSJ
>>

2329. RE: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-15 15:11:10 UTC
From: Bill K0ZL
Topic: 2318 Message: 2329

You will find that the D-104 cuts the low end off; not
an issue with most SSB rigs running narrow TX filters.
It's also a good thing for DX and contests.

I had a guy switch between a ceramic and dynamic D-104
head on AM on 75 the other day, on a noisy circuit.
The difference was amazing. Total readibility with the
ceramic, muddy on the dynamic.

bill

--- Brent Baum <brent.baum@...> wrote:

> I use an Astatic D-104 Black Eagle on my 520SE. Get
> great received audio reports, but I don't push the
> speech processor very hard.
>
> 73 de K7MEI
>
> -----Original Message-----
> From: KABOONA [mailto:kaboona@...]
> Sent: Tuesday, September 14, 2004 7:59 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: 820s real power
> output
>
>
> Thanks to all who responded. It is good to know this
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> blast, the other night I even got to receive some
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> One more thing, I have my key on order!!
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> Jim
> KB1KZI
> --- In TS-520_820_530_830@yahoogroups.com, "KABOONA"
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2330. 820s and tuner question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-21 09:55:03 UTC
From: KABOONA
Topic: 2330 Message: 2330

Well, so far my 820s is working very well in 20m. I do not even use my 897D in the shack anymore, it is staying in the truck hi hi.
I picked up a mfj tuner, it is the versatuner II mfj-941. I went to the mfj website and found that they have the manual for a mfj-941e which needless to say is different than mine. The one I have is very old, the front face is beige in color and the top is simulated woodgrain. Does anyone, by any chance have the manual for this tuner?
Thanks in advance
73 de KB1KZI

2331. RE: [TS-520_820_530_830] 820s and tuner question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-21 14:17:16 UTC
From: Brent Baum
Topic: 2330 Message: 2331

MFJ offers a reprint of the manual for $5. I haven't bought one yet for my 941 that is just like yours.

To Calibrate: Antenna output to dummy load, transmitter in send, meter switch to FWD, adjust the 30-300 watt power control for max meter deflection while remaining on scale.
To Tune: Antenna output to dummy load, transmitter in send, meter switch to SWR, adjust "transmitter" knob for minimum deflection of the meter.
Then switch to your antenna and adjust "inductance" and "antenna" knobs for minimum SWR.

This procedure seems to work very well for my TS-520SE into a 20m wire dipole.

Good luck and 73, de K7MEI

-----Original Message-----
From: KABOONA [mailto:kaboona@...]
Sent: Tuesday, September 21, 2004 3:55 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 820s and tuner question

Well, so far my 820s is working very well in 20m. I do not even use
my 897D in the shack anymore, it is staying in the truck hi hi.
I picked up a mfj tuner, it is the versatuner II mfj-941. I went to
the mfj website and found that they have the manual for a mfj-941e
which needless to say is different than mine. The one I have is very
old, the front face is beige in color and the top is simulated
woodgrain. Does anyone, by any chance have the manual for this tuner?
Thanks in advance
73 de KB1KZI

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<http://us.ard.yahoo.com/SIG=1297qm451/M=295196.4901138.6071305.3001176/D=groups/S=1705063108:HM/EXP=1095846954/A=2128215/R=0/SIG=10se96mf6/*http://companion.yahoo.com> click here
<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=110466471>

Yahoo! Groups Links

* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

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<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

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[Non-text portions of this message have been removed]

2332. Re: 820s and tuner question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-22 00:43:06 UTC
From: KABOONA
Topic: 2330 Message: 2332

Thanks for the information Brent. I did not that MFJ offered that, is it on their website? Also, when you say "meter switch to SWR" or "meter switch to FWD" are you referring to the knob on the front labeled SWR/WATTS? If so, can you tell me which position is fwd (in or out)? I am using an external SWR meter between the radio and the tuner to tune the 20m dipole for now.

thanks in advance.

regards,
Jim
KB1KZI
--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> MFJ offers a reprint of the manual for $5. I haven't bought one yet for my 941 that is just like yours.
>
> To Calibrate: Antenna output to dummy load, transmitter in send, meter switch to FWD, adjust the 30-300 watt power control for max meter deflection while remaining on scale.
> To Tune: Antenna output to dummy load, transmitter in send, meter switch to SWR, adjust "transmitter" knob for minimum deflection of the meter.
> Then switch to your antenna and adjust "inductance" and "antenna" knobs for minimum SWR.
>
> This procedure seems to work very well for my TS-520SE into a 20m wire dipole.
>
> Good luck and 73, de K7MEI
>
> -----Original Message-----
> From: KABOONA [mailto:kaboona@y...]
> Sent: Tuesday, September 21, 2004 3:55 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] 820s and tuner question
>
>
> Well, so far my 820s is working very well in 20m. I do not even use
> my 897D in the shack anymore, it is staying in the truck hi hi.
> I picked up a mfj tuner, it is the versatuner II mfj-941. I went to
> the mfj website and found that they have the manual for a mfj-941e
> which needless to say is different than mine. The one I have is

very
> old, the front face is beige in color and the top is simulated
> woodgrain. Does anyone, by any chance have the manual for this
tuner?
> Thanks in advance
> 73 de KB1KZI
>
>
>
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<http://us.ard.yahoo.com/SIG=1297qm451/M=295196.4901138.6071305.30011
76/D=groups/S=1705063108:HM/EXP=1095846954/A=2128215/R=0/SIG=10se96mf
6/*http://companion.yahoo.com> click here
> <http://us.adserver.yahoo.com/l?
M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=110466
471>
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> * To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
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>
>
>
>
> [Non-text portions of this message have been removed]

2333. RE: [TS-520_820_530_830] 820s and tuner question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-22 02:04:18 UTC
From: Dale Cole
Topic: 2330 Message: 2333

The last I knew you could also go to their website and download the manual. Sometimes the manual will vary slightly as in my case I needed the 962C tunerr but all that was available was the 962D model. Basically the only difference is a roller inductor in one as opposed to an fixed inductance knob. For the most part you should be able to find your unit or a version of it on the web.
Dale K9TTT

[Non-text portions of this message have been removed]

2334. Re: 820s and tuner question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-22 03:03:56 UTC
From: pchapman9202003
Topic: 2330 Message: 2334

Before you get the process going if you do not already have a P-Touch, get one. I use mine for all kinds of things, storage bins etc. But to have those labels on top of my tuner which is a 949 without looking for paperwork saves me a ton of time. My 2 pesedos

--- In TS-520_820_530_830@yahoogroups.com, "KABOONA" <kaboona@y...> wrote:
> Well, so far my 820s is working very well in 20m. I do not even use
> my 897D in the shack anymore, it is staying in the truck hi hi.
> I picked up a mfj tuner, it is the versatuner II mfj-941. I went to
> the mfj website and found that they have the manual for a mfj-941e
> which needless to say is different than mine. The one I have is very
> old, the front face is beige in color and the top is simulated
> woodgrain. Does anyone, by any chance have the manual for this tuner?
> Thanks in advance
> 73 de KB1KZI

2335. Fluke DMM... models ...?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-23 19:39:35 UTC
From: taephono
Topic: 2335 Message: 2335

Hi all,
Maybe someone here can clear this up for me .... :)

Checking out on Ebay, I see all different models of Fluke digital multimeters ... so now I'm trying to figure out which model to purchase/bid on ..? So what model would you reccomend to do repairs, alignments on Kenwood Hf radios? ... especially the classic tube rigs.

Thanks for your reply,
73, Clint
WS1V

2336. Re: [TS-520_820_530_830] Fluke DMM... models ...?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-23 20:15:15 UTC
From: Francis Wissler
Topic: 2335 Message: 2336

I was in the land mobile for many years and a dvm is great for trouble shooting, but for an alignment I prefer an analog meter such as the Hewlett Packard 410 as nulls and peaks are a lot easier to read.
----- Original Message -----
From: taephono
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, September 23, 2004 12:39 PM
Subject: [TS-520_820_530_830] Fluke DMM... models ...?

Hi all,
Maybe someone here can clear this up for me .... :)

Checking out on Ebay, I see all different models of Fluke digital multimeters ... so now I'm trying to figure out which model to purchase/bid on ..? So what model would you reccomend to do repairs, alignments on Kenwood Hf radios? ... especially the classic tube rigs.

Thanks for your reply,
73, Clint
WS1V

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Version: 6.0.768 / Virus Database: 515 - Release Date: 9/22/04

[Non-text portions of this message have been removed]

2337. Re: [TS-520_820_530_830] Fluke DMM... models ...?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-24 02:06:02 UTC
From: Bill K0ZL
Topic: 2335 Message: 2337

Fluke, any of the 70 series (72, 73, 77) are pretty
much bullet proof and quite affordable. I have only
been able to destroy mine by leaving it in a steam
sterlization area, where it got up to 85 deg C and 100
percent condensing humidity. The meter still worked,
but you could just barely read the display.

bill

--- taephono <taephono@...> wrote:

> Hi all,
> Maybe someone here can clear this up for me .... :)
>
> Checking out on Ebay, I see all different models of
> Fluke digital
> multimeters ... so now I'm trying to figure out
> which model to
> purchase/bid on ..? So what model would you
> reccomend to do repairs,
> alignments on Kenwood Hf radios? ... especially the
> classic tube rigs.
>
> Thanks for your reply,
> 73, Clint
> WS1V
>
>

=====

"If in doubt, MODIFY" --k0zl

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2338. Power Problem on TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-24 19:44:36 UTC
From: bobo19472002
Topic: 2338 Message: 2338

I purchased a TS-530S & determined that the bandswitch coupling was broken. I replaced the coupling & riented the back switch with a flat to the bottom and other to the right side of the radio. Then when the knob is on 10 MHz (not 10m) the two flats should be vertical on the front part.

I now have power output on all band above 10MHZ, but the plate dips at a different point on the markings on the dial, usually higher. Example:

14 dips just before 21MHZ, 21 dips just about 28MHZ, 28 dips past the markings for 28MHZ
7 MHZ disp around 10MHZ as well does 3.5MHZ.

I am unable to get 1.8 to dip at all & power output on 1.8, 3.5 & 7 MHZ are low. I enable the WARC band & the output is similar to that of 14 & 21 MHZ, just that the plate does not dip as the marking show.

I purchased this radio for by brother in law who has cancer & now that he has upgraded to a General license, I need to get it fixed.

Any help would be appreciated!

Bob
WB8DDI

2339. Re: [TS-520_820_530_830] Power Problem on TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-24 19:54:28 UTC
From: Paul Manuel
Topic: 2338 Message: 2339

--- bobo19472002 <rwehking@...> wrote:
> I purchased a TS-530S & determined that the bandswitch coupling was
> broken. I replaced the coupling & riented the back switch with a
> flat to the bottom and other to the right side of the radio. Then
> when the knob is on 10 MHz (not 10m) the two flats should be
> vertical on the front part.
>
Perhaps someone can help you more than I, but when the coupler broke on my 830, I had to just experiment, band-by-band, to get the shaft back in the proper orientation. There might be some other way to do it--I'm just saying, it is possible to do it experimentally.
73,
Paul K4PDM

_____
Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

2340. Re: [TS-520_820_530_830] Power Problem on TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-25 12:11:37 UTC
From: Bill K0ZL
Topic: 2338 Message: 2340

Bob, without a grid dip meter, this will be a
difficult task of carefully tracing the tank circuit
wiring to the band switch, understanding how the tank
coil and padder capacitors are switched in for
different bands and so forth, and then lining
everything up.

73

b

--- bobo19472002 <rwehking@...> wrote:

> I purchased a TS-530S & determined that the
> bandswitch coupling was
> broken. I replaced the coupling & riented the back
> switch with a
> flat to the bottom and other to the right side of
> the radio. Then
> when the knob is on 10 MHz (not 10m) the two flats
> should be
> vertical on the front part.
>
> I now have power output on all band above 10MHZ, but
> the plate dips
> at a different point on the markings on the dial,
> usually higher.
> Example:
>
> 14 dips just before 21MHZ, 21 dips just about 28MHZ,
> 28 dips past
> the markings for 28MHZ
> 7 MHZ disp around 10MHZ as well does 3.5MHZ.
>
> I am unable to get 1.8 to dip at all & power output
> on 1.8, 3.5 & 7
> MHZ are low. I enable the WARC band & the output is
> similar to that
> of 14 & 21 MHZ, just that the plate does not dip as
> the marking show.
>
> I purchased this radio for by brother in law who has
> cancer & now
> that he has upgraded to a General license, I need to
> get it fixed.
>

> Any help would be appreciated!
>
> Bob
> WB8DDI
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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2341. Test msg

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-26 02:11:44 UTC
From: k2wh_bill
Topic: 2341 Message: 2341

Test msg........ Sorry.

2342. Test msg again

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-26 23:51:05 UTC
From: k2wh_bill
Topic: 2342 Message: 2342

Sorry, one more time. Got a problem with email

2343. Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 00:45:28 UTC
From: cdf00001
Topic: 2343 Message: 2343

Hello All,
Due to a weather related happening here in Florida, my beloved TS-520S was distroyed. Was wondering if anyone on the list might have a 520S or 520SE they might want to part with. I am aware there is several on E-Slay but for personal reasons I will not use their services. Any how, If you have one that you might want to part with, please email me privately with condition and price. Email address is w4cdf@...
Thank You,
Charlie W4CDF

2344. TS-820S needs help!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 01:37:24 UTC
From: Al Mikkelsen
Topic: 2344 Message: 2344

The main problem is when keying the mic the unit goes silent but it will come back in less than 30 to 40 sec. It receves just fine!
TS-820S It has some problems I hope some of you will have some input on how I may get it up and running!
Historical information Kenwood TS 820S - late 60's early 70's ..????? 2nd owner purchased unit in late 1992 with VFO and MC-50 Mic. The above-noe a SK-had paperwork suggesting that two mods MAY have been added..!!
TS-820 Rcvr Mod kit (by W6TOG)
"Magicom" RF Processor Module
About four years ago the SK began haveing problems- it was believed he was unable to yune for SSB or CW, and ultimately the radio sat in a cold and moist envirnoment for the next three years.
When I got the radio it had began to 'rust' on the oyter upper surfaces of
the case, four of the five 'flip' switches broken or missing, and some of knobs loose.. the cable for the VFO was missing = as was the 9 PMT Plug necessary to utilize the internal VFO. Surprisingly, the internal metal surfaces were relatively clean/clear of debris.
The finals appeared to be a matched set of S2001A's and the heater tube 12BY7A also appeared to be 'Japanese originals.. The Heater tube appear to be 'gassy'..?
Startup:????
It was plugged into 110 and turned on - left for perhaps a full day - and antenna hooked up that evening.. Lacking a 9 PMT, the 8 and 9 pins were 'jumped' and reception was immediate and good quality.
However-any interruption of the incoming signal with the function switch to
VFO R or FIX - FIX, or using the SEND/REC switch result in a prolonged 3-to as much 20 seconds delay with the signal coming back 'squeaky' or tortured
like a noise working itsway through a maze- getting slightly louder until it returns to the original strength..!!
The heater tube was replaced and used working finals installed and tube bias
adjusted as per manual.. Unable to perform any further transmitter tuning as
per instruction manual.
Continue to be plagued with the interruption of signal as described above when the mike is plugged in and PTT pressed.. Acts the same as when using the
send/rec flip switch..
I confess to being unfamiliar with the radio and unable to tune it according
to the manual.
Mave "LPS'd various switches and dials and molex fittings without any

appreciable change.
HELP!!
73's
AL Brookings,Oregon
KE7ALG

2345. Re: [TS-520_820_530_830] Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 01:47:23 UTC
From: Sullivan
Topic: 2343 Message: 2345

Hi

I believe I have an extra 520 SE . I'll check for sure.

73
Roll
WB3LFH

>Hello All,
> Due to a weather related happening here in Florida, my beloved
>TS-520S was distroyed. Was wondering if anyone on the list might have
>a 520S or 520SE they might want to part with. I am aware there is
>several on E-Slay but for personal reasons I will not use their
>services. Any how, If you have one that you might want to part with,
>please email me privately with condition and price. Email address is
>w4cdf@...
>Thank You,
> Charlie W4CDF
>

[Non-text portions of this message have been removed]

2346. Re: TS-820S needs help!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 02:23:30 UTC
From: pchapman9202003
Topic: 2344 Message: 2346

Sounds like the T/R relay is dirty or worn out. If it is an Omron, most likely the original. There are a few plug and play replacements available. Problem usually worse when rig gets warmed up. Clean the contacts with paper or good contact cleaner if you can find. That should identify the problem if it gets better, at least for a while.

--- In TS-520_820_530_830@yahoogroups.com, "Al Mikkelsen" <almikk@h...> wrote:
> The main problem is when keying the mic the unit goes silent but it will
> come back in less than 30 to 40 sec. It receves just fine!
> TS-820S It has some problems I hope some of you will have some input on
> how I may get it up and running!
> Historical information Kenwood TS 820S - late 60's early 70's ..????? 2nd
> owner purchased unit in late 1992 with VFO and MC-50 Mic. The above-noe a
> SK-had paperwork suggesting that two mods MAY have been added..!!
> TS-820 Rcvr Mod kit (by W6TOG)
> "Magicom" RF Processor Module
> About four years ago the SK began haveing problems- it was believed he was
> unable to yune for SSB or CW, and ultimately the radio sat in a cold and
> moist envirnoment for the next three years.
> When I got the radio it had began to 'rust' on the oyter upper
> surfaces of
> the case, four of the five 'flip' switches broken or missing, and some of
> knobs loose.. the cable for the VFO was missing = as was the 9 PMT Plug
> necessary to utilize the internal VFO. Surprisingly, the internal metal
> surfaces were relatively clean/clear of debris.
> The finals appeared to be a matched set of S2001A's and the heater tube
> 12BY7A also appeared to be 'Japanese originals.. The Heater tube
> appear to be 'gassy'..?
> Startup:????
> It was plugged into 110 and turned on - left for perhaps a full day - and
> antenna hooked up that evening.. Lacking a 9 PMT, the 8 and 9 pins were
> 'jumped' and reception was immediate and good quality.

> However-any interruption of the incoming signal with the function
> switch to
> VFO R or FIX - FIX, or using the SEND/REC switch result in a
prolonged
> 3-to as much 20 seconds delay with the signal coming
back 'squeaky' or
> tortured
> like a noise working itsway through a maze- getting slightly
louder
> until it returns to the original strength..!!
> The heater tube was replaced and used working finals installed
and tube
> bias
> adjusted as per manual.. Unable to perform any further
transmitter
> tuning as
> per instruction manual.
> Continue to be plagued with the interruption of signal as
described above
> when the mike is plugged in and PTT pressed.. Acts the same as
when using
> the
> send/rec flip switch..
> I confess to being unfamiliar with the radio and unable to tune
it
> according
> to the manual.
> Mave "LPS'd various switches and dials and molex fittings
without any
> appreciable change.
> HELP!!
> 73's
> AL Brookings,Oregon
> KE7ALG

2347. Re: RE: Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 03:29:27 UTC
From: w4cdf@earthlink.net
Topic: 2343 Message: 2347

Hello Again,
I have received many replies to my inquiry for a TS-520S or SE for sale. My 520S was my only radio. I had no idea that they had now reached a price range of
$300.00. Being on SSD I guess it is time to give up ham radio as I can no longer afford it.
Thank you all very much for your replys.
Take Care and 73's
Charlie W4CDF

2348. Re: [TS-520_820_530_830] Re: RE: Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 03:48:46 UTC
From: Norm Fusaro
Topic: 2343 Message: 2348

Charlie,
You never said what happened to the rig. How about all those accessories in the picture? If the insurance is covering your home then it should cover the equipment.

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: <w4cdf@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, September 27, 2004 11:29 PM
Subject: [TS-520_820_530_830] Re: RE: Wanted Ts-520S or TS-520SE

> Hello Again,
> I have received many replies to my inquiry for a TS-520S or SE
for
> sale. My 520S was my only radio. I had no idea that they had now reached a
> price range of
> $300.00. Being on SSD I guess it is time to give up ham radio as I can no
> longer afford it.
> Thank you all very much for your replys.
> Take Care and 73's
> Charlie W4CDF
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2349. Re: TS-820S needs help!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 04:31:41 UTC
From: almikk62
Topic: 2344 Message: 2349

Thank you I will give it a try and get back to you!
Al
KE7ALG

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
<p_chap@b...> wrote:
> Sounds like the T/R relay is dirty or worn out. If it is an Omron,
> most likely the original. There are a few plug and play
replacements
> available. Problem usually worse when rig gets warmed up. Clean
the
> contacts with paper or good contact cleaner if you can find. That
> should identify the problem if it gets better, at least for a
while.
>
> --- In TS-520_820_530_830@yahoogroups.com, "Al Mikkelsen"
> <almikk@h...> wrote:
> > The main problem is when keying the mic the unit goes silent but
> it will
> > come back in less than 30 to 40 sec. It receves just fine!
> > TS-820S It has some problems I hope some of you will have
some
> input on
> > how I may get it up and running!
> > Historical information Kenwood TS 820S - late 60's early
> 70's ..????? 2nd
> > owner purchased unit in late 1992 with VFO and MC-50 Mic. The
> above-noe a
> > SK-had paperwork suggesting that two mods MAY have been
added..!!
> > TS-820 Rcvr Mod kit (by W6TOG)
> > "Magicom" RF Processor Module
> > About four years ago the SK began haveing problems- it was
> believed he was
> > unable to yune for SSB or CW, and ultimately the radio sat in
a
> cold and
> > moist envirnoment for the next three years.
> > When I got the radio it had began to 'rust' on the oyter upper
> > surfaces of
> > the case, four of the five 'flip' switches broken or missing,
> and some of
> > knobs loose.. the cable for the VFO was missing = as was the 9
> PMT Plug
> > necessary to utilize the internal VFO. Surprisingly, the

> internal metal
> > surfaces were relatively clean/clear of debris.
> > The finals appeared to be a matched set of S2001A's and the
> heater tube
> > 12BY7A also appeared to be 'Japanese originals.. The Heater tube
> > appear to be 'gassy'..?
> > Startup:????
> > It was plugged into 110 and turned on - left for perhaps a
full
> day - and
> > antenna hooked up that evening.. Lacking a 9 PMT, the 8 and 9
> pins were
> > 'jumped' and reception was immediate and good quality.
> > However-any interruption of the incoming signal with the
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> > 3-to as much 20 seconds delay with the signal coming
> back 'squeaky' or
> > tortured
> > like a noise working itsway through a maze- getting slightly
> louder
> > until it returns to the original strength..!!
> > The heater tube was replaced and used working finals installed
> and tube
> > bias
> > adjusted as per manual.. Unable to perform any further
> transmitter
> > tuning as
> > per instruction manual.
> > Continue to be plagued with the interruption of signal as
> described above
> > when the mike is plugged in and PTT pressed.. Acts the same as
> when using
> > the
> > send/rec flip switch..
> > I confess to being unfamiliar with the radio and unable to
tune
> it
> > according
> > to the manual.
> > Mave "LPS'd various switches and dials and molex fittings
> without any
> > appreciable change.
> > HELP!!
> > 73's
> > AL Brookings,Oregon
> > KE7ALG

2350. Re: TS-820S needs help!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 04:32:18 UTC
From: almikk62
Topic: 2344 Message: 2350

Thank you I will give it a try and get back to you!
Al
KE7ALG

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
<p_chap@b...> wrote:
> Sounds like the T/R relay is dirty or worn out. If it is an Omron,
> most likely the original. There are a few plug and play
replacements
> available. Problem usually worse when rig gets warmed up. Clean
the
> contacts with paper or good contact cleaner if you can find. That
> should identify the problem if it gets better, at least for a
while.
>
> --- In TS-520_820_530_830@yahoogroups.com, "Al Mikkelsen"
> <almikk@h...> wrote:
> > The main problem is when keying the mic the unit goes silent but
> it will
> > come back in less than 30 to 40 sec. It receves just fine!
> > TS-820S It has some problems I hope some of you will have
some
> input on
> > how I may get it up and running!
> > Historical information Kenwood TS 820S - late 60's early
> 70's ..????? 2nd
> > owner purchased unit in late 1992 with VFO and MC-50 Mic. The
> above-noe a
> > SK-had paperwork suggesting that two mods MAY have been
added..!!
> > TS-820 Rcvr Mod kit (by W6TOG)
> > "Magicom" RF Processor Module
> > About four years ago the SK began haveing problems- it was
> believed he was
> > unable to yune for SSB or CW, and ultimately the radio sat in
a
> cold and
> > moist envirnoment for the next three years.
> > When I got the radio it had began to 'rust' on the oyter upper
> > surfaces of
> > the case, four of the five 'flip' switches broken or missing,
> and some of
> > knobs loose.. the cable for the VFO was missing = as was the 9
> PMT Plug
> > necessary to utilize the internal VFO. Surprisingly, the

> internal metal
> > surfaces were relatively clean/clear of debris.
> > The finals appeared to be a matched set of S2001A's and the
> heater tube
> > 12BY7A also appeared to be 'Japanese originals.. The Heater tube
> > appear to be 'gassy'..?
> > Startup:????
> > It was plugged into 110 and turned on - left for perhaps a
full
> day - and
> > antenna hooked up that evening.. Lacking a 9 PMT, the 8 and 9
> pins were
> > 'jumped' and reception was immediate and good quality.
> > However-any interruption of the incoming signal with the
function
> > switch to
> > VFO R or FIX - FIX, or using the SEND/REC switch result in a
> prolonged
> > 3-to as much 20 seconds delay with the signal coming
> back 'squeaky' or
> > tortured
> > like a noise working itsway through a maze- getting slightly
> louder
> > until it returns to the original strength..!!
> > The heater tube was replaced and used working finals installed
> and tube
> > bias
> > adjusted as per manual.. Unable to perform any further
> transmitter
> > tuning as
> > per instruction manual.
> > Continue to be plagued with the interruption of signal as
> described above
> > when the mike is plugged in and PTT pressed.. Acts the same as
> when using
> > the
> > send/rec flip switch..
> > I confess to being unfamiliar with the radio and unable to
tune
> it
> > according
> > to the manual.
> > Mave "LPS'd various switches and dials and molex fittings
> without any
> > appreciable change.
> > HELP!!
> > 73's
> > AL Brookings,Oregon
> > KE7ALG

2351. Re: Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 04:44:36 UTC
From: almikk62
Topic: 2275 Message: 2351

Mike, Did you find any spray cans of Kenwood paint??
Al
--- In TS-520_820_530_830@yahoogroups.com, Mike <mdietrich@e...>
wrote:
> I have a TS-520 that was repainted very poorly so I will be
attempting to
> refinish it myself. The paint will be color matched against an
original
> AT-200 and will hopefully have the same finish.
>
> With the amount of paint I will have to purchase I should be able
to do
> about 20 sets of covers. Let me try it out on my own radio before
I offer
> to paint any others, that way if it looks horrible I'm the only
one who is
> out anything.
>
> There used to be someone who sold Kenwood colors in spray cans on
eBay, you
> might check to see if they are still available. Has anyone on the
list
> every tried these?
>
> >Does anyone know of someone who refinishes cabinets? I have a
> >cabinet I would like to have refinished on a 520SE.
> >
> >I have refinished some myself in the past but always lost the
> >texture in the paint.
> >
> >Thanks for any help you can offer.

2352. Re: [TS-520_820_530_830] Re: Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 05:39:59 UTC
From: Mike
Topic: 2275 Message: 2352

There is a can for auction on eBay right now:

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4671&item=5722368438&
rd=1&ssPageName=WDVW

I've never tried these but the comments in his feedback ratings seem
positive. For the low price I might give this a shot in the near future,
it certainly can't make my cabinet look any worse than it does now.

>Mike, Did you find any spray cans of Kenwood paint??
>Al

2353. Re: [TS-520_820_530_830] Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 05:56:56 UTC
From: turbo
Topic: 2343 Message: 2353

I have a TS-530SE (SP?) (I think that's what it is) that a friend wanted me to try to sell for him... interested in it? I'll take a look at it when I get home...

73's de AI4AI,

- Brian

---------- Original Message ----------
From: cdf00001 <w4cdf@...>
Reply-To: TS-520_820_530_830@yahoogroups.com
Date: Tue, 28 Sep 2004 00:45:28 -0000

>
>Hello All,
> Due to a weather related happening here in Florida, my beloved
>TS-520S was distroyed. Was wondering if anyone on the list might have
>a 520S or 520SE they might want to part with. I am aware there is
>several on E-Slay but for personal reasons I will not use their
>services. Any how, If you have one that you might want to part with,
>please email me privately with condition and price. Email address is
>w4cdf@...
>Thank You,
> Charlie W4CDF
>
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>Yahoo! Groups Links
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2354. Re: [TS-520_820_530_830] Re: RE: Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 14:29:40 UTC
From: Paul Manuel
Topic: 2343 Message: 2354

--- w4cdf@... wrote:
> I have received many replies to my inquiry for a TS-520S or SE
> for sale. My 520S was my only radio. I had no idea that they had now
reached a price range of $300.00.

Keep looking. I see them all the time for $175 or thereabouts.
73,
Paul K4PDM

_____
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http://mail.yahoo.com

2355. RE: [TS-520_820_530_830] Re: RE: Wanted Ts-520S or TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 14:42:28 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2343 Message: 2355

Nonsense, if you are brave enough, shop eBay. I just recently won a 520S for $197. It should arrive today actually....Good for you....and bad for me, since winning my 520S, I have seen 520S finish for as little as $150 bucks. You still have to factor in shipping and hope you don't get ripped off but I think if the seller is a ham you are pretty safe though.

There a lots of good radios of this vintage for good prices. If you are not married to the 520 series, I have also seen great deals on 820s and also Yeasu 101Es.

Best regards,

Sean - KC9GNA

>From: <w4cdf@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: <TS-520_820_530_830@yahoogroups.com>
>Subject: [TS-520_820_530_830] Re: RE: Wanted Ts-520S or TS-520SE
>Date: Mon, 27 Sep 2004 23:29:27 -0400
>
>Hello Again,
> I have received many replies to my inquiry for a TS-520S or SE
>for
>sale. My 520S was my only radio. I had no idea that they had now reached a
>price range of
>$300.00. Being on SSD I guess it is time to give up ham radio as I can no
>longer afford it.
>Thank you all very much for your replys.
>Take Care and 73's
>Charlie W4CDF
>

_____
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2356. TS-820S receiver audio noise with AF Gain all the way off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 19:53:18 UTC
From: dimitri@dotp.com
Topic: 2356 Message: 2356

With the AF gain at minimum there is some barely audible hiss AND some sort of crackling noise (sounds like QRM on 160M :)).You have to be very close to the speaker to hear it

Both of these get completely covered up as soon as the AF gain is increased by the band noise.

However...i'd like to get rid of the crackling noise - provided I figure out what causes it :)

I was wondering if anyone else has encountered this problem.

Dimitri
kf6qex

2357. Re: [TS-520_820_530_830] TS-820S receiver audio noise with AF Gain all the way off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-28 21:16:34 UTC
From: peter A markavage
Topic: 2356 Message: 2357

Sounds like a noisy resistor or transistor or a leaking capacitor in the circuitry that is between the audio volume control and the speaker output. A scope could probably find it quickly. It will only get worse.

Pete, wa2cwa

On Tue, 28 Sep 2004 19:53:18 -0000 dimitri@... writes:
With the AF gain at minimum there is some barely audible hiss AND some sort of crackling noise (sounds like QRM on 160M :)).You have to be very close to the speaker to hear it

Both of these get completely covered up as soon as the AF gain is increased by the band noise.

However...i'd like to get rid of the crackling noise - provided I figure out what causes it :)

I was wondering if anyone else has encountered this problem.

Dimitri
kf6qex

[Non-text portions of this message have been removed]

2358. Re: [TS-520_820_530_830] TS-820S receiver audio noise with AF Gain all the way off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-29 00:51:34 UTC
From: Bill K0ZL
Topic: 2356 Message: 2358

Sounds like bad coupling cap in the audio amp; I would
change the one just after the audio amp IC, should be
fairly large value, at low voltage.

b

--- dimitri@... wrote:

> With the AF gain at minimum there is some barely
> audible hiss AND some
> sort of crackling noise (sounds like QRM on 160M
> :)).You have to be
> very close to the speaker to hear it
>
> Both of these get completely covered up as soon as
> the AF gain is
> increased by the band noise.
>
> However...i'd like to get rid of the crackling noise
> - provided I
> figure out what causes it :)
>
> I was wondering if anyone else has encountered this
> problem.
>
>
>
> Dimitri
> kf6qex
>
>

=====

"If in doubt, MODIFY" --k0zl

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2359. Previously Dead TS-520 - WWV Button Oddness

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-29 14:38:11 UTC
From: Jason Creager
Topic: 2359 Message: 2359

Hi everyone,

Well, I finally decided to get serious about my TS-520 and figure out what was wrong with it. Actually, this was a couple of weeks agao and I was just putting it back together so that I wouldn't lose any pieces since I'd been over every square inch of exposed circuitry with a magnifying glass looking for (and not finding) anything blown.

Lo and behold, the Screen Grid switch was off. It probably happened when I was moving things around and something on my messy desk bumped it. I also found a small piece of styrofoam peanut that had escaped into the black transistor cage on the back that could account for the hot smell. I hurriedly hooked everything up again and could hear signals! I couldn't tune anything primarily because my compromise mounted G5RV antenna is so damned noisy that I often find myself turning off the FT-897 (even with some DSP) and going inside to do something less frustrating.

So, it's nice to know that it works and isn't dead as previously reported.

One odd thing that perhaps you folks can help me track down. When I hit the WWV switch, the audio seemed to zoom up, then stop. It kind of reminded me of listening to the "capacitor filling up" experiment from my old Radio Shack 50-in-1 Solar Electronics experimenter kit. Any ideas there? I'm getting it ready to sell and want to have it in perfect condition.

Thanks,
- Jason - KC0ERG
==========
http://jason.creager.com kc0erg@... Las Vegas, NV

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2360. Up-Down Switchs on front panel of TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-29 11:19:36 UTC
From: almikk
Topic: 2360 Message: 2360

Where can you obtain the up-down switches for the front panel on a TS-820S??
Al KE7ALG

2361. Re: TS-820S receiver audio noise with AF Gain all the way off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 00:23:52 UTC
From: dimitri@dotp.com
Topic: 2356 Message: 2361

The output cap was in my list of "immediate suspects". However it made no difference as far as the crackling sound goes.
I did find the same noise present on pin 4 of the Audio amp chip. The value is 47pf in the PC placement diagram and 330pf in the schematic right above it (C25 AF-AVR board).
I replaced it with a 22nf "just to see" and the crackling was eliminated as well as what little high frequencies pass through and of course at the same time the gain of the audio stage was reduced considerably.

I don't like the idea of having the AF gain control at 11 o'clock for "normal" volume level so I removed the 22nF cap and doing nothing about it for now :)

I tried to find a data sheet for the TA7201P to get an idea of what pin 4 is/does and what the function of the cap there is so I might experiment with other values but had no good luck finding it.

Dimitri
kf6qex

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Sounds like bad coupling cap in the audio amp; I would
> change the one just after the audio amp IC, should be
> fairly large value, at low voltage.
>
> b

2362. Re: Up-Down Switchs on front panel of TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 00:58:52 UTC
From: pchapman9202003
Topic: 2360 Message: 2362

Have not found a source yet, I could use one

--- In TS-520_820_530_830@yahoogroups.com, "almikk" <almikk@h...>
wrote:
> Where can you obtain the up-down switches for the front panel on
a TS-820S??
> Al KE7ALG

2363. Front Panel Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 05:55:31 UTC
From: Brian
Topic: 2363 Message: 2363

I have a TS-820s and one of the front panel switchs fell off into my hand. it seem to have broken one of the tabs on it but it's not broken off, and i was just wondering if it could be fixed and how do i put it back in the radio. or do i have to take the face off to do this.

Thanks for any and all help
73's
Brian
W8TFI

2364. Re: Front Panel Switch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 14:09:57 UTC
From: pchapman9202003
Topic: 2363 Message: 2364

I broke one of the tabs off on one of mine, but I lost it. I managed to get in back on without taking the cover off and it is working ok. If you can live without it for a short time, hopefully someone can reccomend a good cement to use on it, Bill or one of the other whiz kids here that have probably done that before. As many times as I have seen this kind of post, I should hope there would be a source.

--- In TS-520_820_530_830@yahoogroups.com, "Brian" <w8tfi@a...> wrote:
> I have a TS-820s and one of the front panel switchs fell off into my
> hand. it seem to have broken one of the tabs on it but it's not
> broken off, and i was just wondering if it could be fixed and how do
> i put it back in the radio. or do i have to take the face off to do
> this.
>
> Thanks for any and all help
> 73's
> Brian
> W8TFI

2365. TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 20:54:07 UTC
From: jimford80041
Topic: 2365 Message: 2365

Are the yg455C and YG455C-1 interchangable?

I see the C-1 filter selling regularly but the 455C seems fairly scarce.

Any one have a 455C they would be willing to sell?

Jim KG0PP

2366. Digital readout for 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-09-30 22:35:30 UTC
From: n2tmc
Topic: 2366 Message: 2366

I know that there is the DG-5 and that there is a company in Oregon or Washington state that makes a unit (AADE or somthing like that). Does anyone else know of a company or an article in a ham magazine.

TNX
73
George
N2TMC

2367. RE: [TS-520_820_530_830] Digital readout for 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 07:49:52 UTC
From: g4jbr@netscape.net
Topic: 2366 Message: 2367

"n2tmc" <n2tmc@...> wrote:

>I know that there is the DG-5 and that there is a company in Oregon
>or Washington state that makes a unit (AADE or somthing like that).
>Does anyone else know of a company or an article in a ham magazine.
>
>TNX
>73
>George
>N2TMC
>

hi george ..G3YNH has done several articles on fitting dig. read out to rigs put his call in google
>

_____
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2368. RE: [TS-520_820_530_830] TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 10:41:00 UTC
From: Bob Mackie
Topic: 2365 Message: 2368

Jim, The YG-455C is a solder-in type and the YG-455C1 is a plug-in type. The TS-830S requires the solder-in type. W7ASHBob Mackie--- On Thu 09/30, jimford80041 < ejim@... > wrote:From: jimford80041 [mailto: ejim@...]To: TS-520_820_530_830@yahoogroups.comDate: Thu, 30 Sep 2004 20:54:07 -0000Subject: [TS-520_820_530_830] TS-830S filtersAre the yg455C and YG455C-1 interchangable?I see the C-1 filter selling regularly but the 455C seems fairly scarce.Any one have a 455C they would be willing to sell?Jim KG0PP---------- Yahoo! Groups Sponsor ----------~--> Make a clean sweep of pop-up ads. Yahoo! Companion Toolbar.Now with Pop-Up Blocker. Get it for free!http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM----------~-> Yahoo! Groups Links<*> To visit your group on the web, go to:http://groups.yahoo.com/group/TS-520_820_530_830/<*> To unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.com<*> Your use of Yahoo! Groups is subject to:http://docs.yahoo.com/info/terms/

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2369. RE: [TS-520_820_530_830] Digital readout for 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 10:42:24 UTC
From: Bob Mackie
Topic: 2366 Message: 2369

www.aade.comBob Mackie--- On Thu 09/30, n2tmc < n2tmc@... > wrote:From: n2tmc [mailto:n2tmc@...]To: TS-520_820_530_830@yahoogroups.comDate: Thu, 30 Sep 2004 22:35:30 -0000Subject: [TS-520_820_530_830] Digital readout for 520SI know that there is the DG-5 and that there is a company in Oregon or Washington state that makes a unit (AADE or somthing like that). Does anyone else know of a company or an article in a ham magazine.TNX73GeorgeN2TMC------------------------ Yahoo! Groups Sponsor ----------------------~--> Make a clean sweep of pop-up ads. Yahoo! Companion Toolbar.Now with Pop-Up Blocker. Get it for free!http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM---~-> Yahoo! Groups Links<*> To visit your group on the web, go to:http://groups.yahoo.com/group/TS-520_820_530_830/<*> To unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.com<*> Your use of Yahoo! Groups is subject to:http://docs.yahoo.com/info/terms/

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2370. Re: Cabinet painting 520 series

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 11:00:07 UTC
From: Rick
Topic: 2275 Message: 2370

Krylon "Satin Stone Gray" is very close. I resprayed an 830s using
one
of their aerosols some time ago. Was able to achieve/retain the
textured effect by spraying in small bursts and allowing it to dry
between applications.
Rick

--- In TS-520_820_530_830@yahoogroups.com, Mike <mdietrich@e...>
wrote:
> There is a can for auction on eBay right now:
>
> http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&category=4671&item=5722368438&
> rd=1&ssPageName=WDVW
>
> I've never tried these but the comments in his feedback ratings seem
> positive. For the low price I might give this a shot in the near
future,
> it certainly can't make my cabinet look any worse than it does now.
>
> >Mike, Did you find any spray cans of Kenwood paint??
> >Al

2371. Re: [TS-520_820_530_830] TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 12:48:52 UTC
From: Bill K0ZL
Topic: 2365 Message: 2371

No, Jim, slightly different IF center frequencies.

I would get the Inrad filter; much better sounding
anyway.

b

--- jimford80041 <ejim@...> wrote:

> Are the yg455C and YG455C-1 interchangable?
>
> I see the C-1 filter selling regularly but the 455C
> seems fairly
> scarce.
>
> Any one have a 455C they would be willing to sell?
>
> Jim KG0PP
>
>

=====

"If in doubt, MODIFY" --k0zl

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2372. Re: [TS-520_820_530_830] TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 12:59:45 UTC
From: ejim@aol.com
Topic: 2365 Message: 2372

Thanks for the suggestion Bill. Where is a good source for the InRad filters?

Have you had any luck with my TS-130S?

Jim KG0PP

2373. Re: [TS-520_820_530_830] TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 13:08:10 UTC
From: Keith V
Topic: 2365 Message: 2373

www.qth.com/inrad will get you there.

Van,
KL7TDZ

----- Original Message -----
From: <ejim@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, October 01, 2004 7:59 AM
Subject: Re: [TS-520_820_530_830] TS-830S filters

> Thanks for the suggestion Bill. Where is a good source for the InRad
> filters?
>
> Have you had any luck with my TS-130S?
>
> Jim KG0PP
>
>
>
>
> Yahoo! Groups Links
>
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>
>

2374. RE: TS-520SE Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 13:55:38 UTC
From: cdf00001
Topic: 2374 Message: 2374

Hello,
A couple of days ago a nice gentleman on this list offerd me a
TS-520SE for sale. I lost all of my emails and I was wondering if you
could contact me again with your email so I can speak to you about it.
Thank You,
Charlie W4CDF
w4cdf@...

2375. 520 Mode confusion

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 17:21:57 UTC
From: s721370
Topic: 2375 Message: 2375

Can anyone please explain to me, better than the manual, what the point of the tune mode VS. the CW mode. I understand the relationship and use of the tune mode when tuning up the radio but as far as operating the radio I am confused as all heck. The manual says in CW mode the straight up pointer notch is your frequency but then you should switch to tune mode and zero beat something else and that is your receive frequency??!!! I understand this concept when operating a seperate XMTR and RCVR but what is the point of this with a tranceiver? I though the freqency you were transmitting on was the frequency you would receive on also...No? Please someone straighten me out.

Also I am talking about one VFO, no splits or anything like that, just simple HF CW operation.

Many thanks in advance!

Sean - KC9GNA

2376. RE: [TS-520_820_530_830] 520 Mode confusion

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 18:30:00 UTC
From: Ron Kienzle
Topic: 2375 Message: 2376

I'm probably not going to explain this real well, but it will give you a start. In CW receive, the actual frequency you are receiving is offset from dead zero beat -- maybe 750 Hz. That's what gives you the tone, otherwise you wouldn't hear anything (although I've been known to copy CW at zero beat because it quiets the background noise). When you transmit, your transmit frequency is 750 Hz below what you are listening to (or dead zero beat) -- the other guy's receive is offset, too. In tune mode, the offset is disabled.

I think that's close to right.

Most rigs with digital readouts automatically adjust for the offset and show receive and transmit frequency as the same.

73,

--Ron (KZ7P)

-----Original Message-----
From: s721370 [mailto:seanfried@...]
Sent: Friday, October 01, 2004 1:22 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 520 Mode confusion

Can anyone please explain to me, better than the manual, what the point of the tune mode VS. the CW mode. I understand the relationship and use of the tune mode when tuning up the radio but as far as operating the radio I am confused as all heck. The manual says in CW mode the straight up pointer notch is your frequency but then you should switch to tune mode and zero beat something else and that is your receive frequency??!!! I understand this concept when operating a seperate XMTR and RCVR but what is the point of this with a tranceiver? I though the freqency you were transmitting on was the frequency you would receive on also...No? Please someone straighten me out.

Also I am talking about one VFO, no splits or anything like that, just simple HF CW operation.

Many thanks in advance!

Sean - KC9GNA

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

2377. CW Filter for the TS-530SP

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 18:25:11 UTC
From: Richard Harris
Topic: 2377 Message: 2377

The subject of CW filters for the TS-830 arose today so I thought it might be timely to answer the same question about the -C1 filters for the TS-530SP. I bought a TS-530SP recently and have installed a CW filter.

The Kenwood Manual specifies the YK-88-C filter. In the UK at least, these are hard to come by. There are YK-88-C1 filters available, both second-hand from dealers (at the UK equivalent of about US$70) and occasionally on Ebay. Like the TS-830, the -C1 and the narrower CN1 have filter blocks fitted to a small circuit board with connectors at each end. These filters are available second-hand because they have probably been removed from rigs before sale - the absence of a CW filter may not affect the second-hand price of the transceiver - and then sold separately to maximise the proceeds.

These filter boards are fitted with the same crystal filter block as used in the TS-530SP, so it is just a case of unsoldering the filter from the -C1 circuit board, gaining access to the top and bottom of the IF Unit in the transceiver and soldering it in place. The operating manual covers this. I found that I had to unplug most of the connectors to the IF Unit but there is little chance of plugging them in wrongly when the time comes to put it all back together.

I bought the YK-88-C1 filter second-hand from a dealer in the UK. It works very well and I consider that it was money very well spent. I use the variable IF to peak the filter at the audio frequency that I prefer for CW.

Best 73s to group members

Richard G3OTK

Richard Harris
PIPS Technology Ltd,
York House,
School Lane,
Chandlers Ford,
Eastleigh
SO53 4DG
United Kingdom

Tel +44 (0) 2380 240250
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Mobile +44 (0) 7808 935630
Fax +44 (0) 2380 240251

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2378. Re: [TS-520_820_530_830] TS-830S filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 22:40:46 UTC
From: Bill K0ZL
Topic: 2365 Message: 2378

http://www.qth.com/inrad/

Have not got anything done in the shop lately, was out
of town. Will try to get to the rig next week.

thanks

b

--- ejim@... wrote:

> Thanks for the suggestion Bill. Where is a good
> source for the InRad filters?
>
> Have you had any luck with my TS-130S?
>
> Jim KG0PP
>

=====

"If in doubt, MODIFY" --k0zl

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2379. Re: Digital readout for 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 16:10:42 UTC
From: thelonerider1979
Topic: 2366 Message: 2379

Hi George! You can also check out:
http://ra3ggi.qrz.ru/ (use a translator, unless you know Russian ;)
or maybe:
http://digilander.libero.it/ik3oil/project_eng.htm
or:
http://www.hamradioindia.org/modules.php?name=Circuits&file=fcountlcd
------

Hope this helps, I´m probably gonna get one myself one of these days.

João F.

73´s

--- In TS-520_820_530_830@yahoogroups.com, "n2tmc" <n2tmc@y...> wrote:
> I know that there is the DG-5 and that there is a company in Oregon
> or Washington state that makes a unit (AADE or somthing like that).
> Does anyone else know of a company or an article in a ham magazine.
>
> TNX
> 73
> George
> N2TMC

2380. Re: [TS-520_820_530_830] 520 Mode confusion

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 22:52:44 UTC
From: Bill K0ZL
Topic: 2375 Message: 2380

TUNE mode in transmit lowers your screen voltage to a
safe level, so you are less likely to damage your
tubes if the tank circuit is out of resonance for too
long.

TUNE mode in RECEIVE allows you to ZERO BEAT a CW
signal by going for... well, zero beat (lower tone,
lower, l-o-w-e-r, then zero). Then when you flop back
to CW mode and start transmitting you should be right
on top of the other guy's freq.

I never use that for tuning on rx on cw mode; instead,
I just set the other guy so that his sig has the same
pitch as my sidetone when I tap the key. Close enuf
for gov't work...
b

-
--- s721370 <seanfried@...> wrote:

> Can anyone please explain to me, better than the
> manual, what the
> point of the tune mode VS. the CW mode. I understand
> the relationship
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> tranceiver? I though the freqency you were
> transmitting on was the
> frequency you would receive on also...No? Please
> someone straighten me
> out.
>
> Also I am talking about one VFO, no splits or
> anything like that, just
> simple HF CW operation.
>

> Many thanks in advance!
>
> Sean - KC9GNA
>
>

=====

"If in doubt, MODIFY" --k0zl

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2381. RE: [TS-520_820_530_830] RE: TS-520SE Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 22:56:39 UTC
From: Brian
Topic: 2374 Message: 2381

What with all the excitement involved in actually securing a DAY OFF (!!!) (it'll be the first day I've had off <including Saturdays, Sundays and holidays, I might add> since August 7th), I don't know if you mean me or not, Charlie...

In any case, feel free to write me directly if you were interested in the TS-530SP (not 520SE) that I have...

73 de AI4AI,
- Brian

-----Original Message-----
From: cdf00001 [mailto:w4cdf@...]
Sent: Friday, October 01, 2004 9:56 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] RE: TS-520SE Wanted

Hello,
A couple of days ago a nice gentleman on this list offerd me a TS-520SE for sale. I lost all of my emails and I was wondering if you could contact me again with your email so I can speak to you about it.
Thank You,
Charlie W4CDF
w4cdf@...

Yahoo! Groups Links

2382. Re: [TS-520_820_530_830] Previously Dead TS-520 - WWV Button Oddness

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 23:08:17 UTC
From: Bill K0ZL
Topic: 2359 Message: 2382

Hmm that is interesting... Take a look at the
oscillator coil for the 15meg (wwv) band... may need a
little tweak to keep the xtal happy.

OK on the SG switch, that is also known as the
"grandkids switch".. to save the rig if it gets put
into tx mode by curious fingers...

b

--- Jason Creager <jason@...> wrote:

> Hi everyone,
>
> Well, I finally decided to get serious about my
> TS-520 and figure out what
> was wrong with it. Actually, this was a couple of
> weeks agao and I was just
> putting it back together so that I wouldn't lose any
> pieces since I'd been
> over every square inch of exposed circuitry with a
> magnifying glass looking
> for (and not finding) anything blown.
>
> Lo and behold, the Screen Grid switch was off. It
> probably happened when I
> was moving things around and something on my messy
> desk bumped it. I also
> found a small piece of styrofoam peanut that had
> escaped into the black
> transistor cage on the back that could account for
> the hot smell. I
> hurriedly hooked everything up again and could hear
> signals! I couldn't
> tune anything primarily because my compromise
> mounted G5RV antenna is so
> damned noisy that I often find myself turning off
> the FT-897 (even with
> some DSP) and going inside to do something less
> frustrating.
>
> So, it's nice to know that it works and isn't dead
> as previously reported.
>
> One odd thing that perhaps you folks can help me

> track down. When I hit the
> WWV switch, the audio seemed to zoom up, then stop.
> It kind of reminded me
> of listening to the "capacitor filling up"
> experiment from my old Radio
> Shack 50-in-1 Solar Electronics experimenter kit.
> Any ideas there? I'm
> getting it ready to sell and want to have it in
> perfect condition.
>
> Thanks,
> - Jason - KC0ERG
>
==========
> http://jason.creager.com kc0erg@... Las
> Vegas, NV
>
> All responses subject to the terms of
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>
>

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2383. Re: TS-520SE Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-01 23:53:04 UTC
From: cdf00001
Topic: 2374 Message: 2383

Hello Brian,
Please email me at w4cdf@... with your asking price
and condition. I am very interested.
Thank You,
Charlie W4CDF
--- In TS-520_820_530_830@yahoogroups.com, "Brian" <turbo@t...> wrote:
> What with all the excitement involved in actually securing a DAY
OFF (!!!)
> (it'll be the first day I've had off <including Saturdays, Sundays
and
> holidays, I might add> since August 7th), I don't know if you mean
me or
> not, Charlie...
>
> In any case, feel free to write me directly if you were interested
in the
> TS-530SP (not 520SE) that I have...
>
> 73 de AI4AI,
> - Brian
>
>
> -----Original Message-----
> From: cdf00001 [mailto:w4cdf@e...]
> Sent: Friday, October 01, 2004 9:56 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] RE: TS-520SE Wanted
>
> Hello,
> A couple of days ago a nice gentleman on this list offerd me
a
> TS-520SE for sale. I lost all of my emails and I was wondering if
you
> could contact me again with your email so I can speak to you about
it.
> Thank You,
> Charlie W4CDF
> w4cdf@e...
>
>
>
>
>
> Yahoo! Groups Links

2384. Re: [TS-520_820_530_830]Digital Readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 01:38:17 UTC
From: james27613@att.net
Topic: 2384 Message: 2384

There was an external digital display for the 520/820
DFD/K that uses nixie tubes, I think Henry and another
co. sold them way back when.

Sometimes you can find them on lists.

73 james ke4dɪn

2385. Re: [TS-520_820_530_830]Digital Readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 03:00:44 UTC
From: donii@sympatico.ca
Topic: 2384 Message: 2385

George
AADE makers of digital readouts: < http://www.aade.com/index.html >
Peter
VE2FAR

2386. Re: [TS-520_820_530_830]Digital Readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 04:54:03 UTC
From: peter A markavage
Topic: 2384 Message: 2386

You're probably referring to the Spectronics DD-1K.

Pete, wa2cwa

On Sat, 02 Oct 2004 01:38:17 +0000 james27613@... writes:
There was an external digital display for the 520/820
DFD/K that uses nixie tubes, I think Henry and another
co. sold them way back when.

Sometimes you can find them on lists.

73 james ke4dɪn

[Non-text portions of this message have been removed]

2387. TV-506 connecting cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 15:38:56 UTC
From: emporiaars
Topic: 2387 Message: 2387

Hello, I bought a TV-506 from KG6TTE in California. He just had it pinned to his rig. I was wondering where I might get the connectors and wire for the jumper? Thus I will be able to use the TS-820S that is just setting there. Still working on element 1 and 3. It takes a while for water to soak into cement! I will prevail! Any recomendations on antenna for six meter, wire or other. I am open to any and all suggestions. I work in machine shop and have access to the equipment. I do tig weld, so a beam is not out of the question. Is there any known quirks that I will run into? Thank you, Mike
KCØNFG 73

2388. 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 16:03:53 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2388 Message: 2388

Thanks to both Ron - KZ7P and Bill - K0ZL for their explanations. Please can you fellows elaborate just a but more. Say I am tuning on the band looking for a CW QSO. For general receiving do I keep the rig in TUNE mode? Then when I hear a station I like, I zero beat the signal and then switch to CW mode to transmit? Is this correct? My transmit signal would be right on with the other station, no? Then when I done transmitting, do I keep my rig in CW mode and I will hear the station because he/she will be offset by the 700 hertz or so difference between the modes? I guess I could go expirement but I would prefer not to muddy the airwaves with my expirementation. Please bare with me, I never used a tranceiver before.

TRIVIA: After more than 20 years off the air and my ticket expiring, one month ago passed elements 1 and 2. I became KC9GNA.

This past Thursday, my 502s came in the mail, Friday my vanity call became active so I reclaimed my old call WA2LKV, I took off work and built my 20 meter vertical on Friday as well. Today (Saturday), I just got back from passing my General exam and am hoping to run out to get a key and antenna tuner to go back on the air for first time since 1983....oh yeah, I was a life long novice operator before today. This is probably not terribly thrilling to y'all but I am very excited, thus the life story.

Thanks again gang,

Sean - WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 520 Mode confusion
>Date: Fri, 1 Oct 2004 15:52:44 -0700 (PDT)
>
>TUNE mode in transmit lowers your screen voltage to a
>safe level, so you are less likely to damage your
>tubes if the tank circuit is out of resonance for too
>long.
>
>TUNE mode in RECEIVE allows you to ZERO BEAT a CW
>signal by going for... well, zero beat (lower tone,
>lower, l-o-w-e-r, then zero). Then when you flop back
>to CW mode and start transmitting you should be right
>on top of the other guy's freq.
>
>I never use that for tuning on rx on cw mode; instead,
>I just set the other guy so that his sig has the same
>pitch as my sidetone when I tap the key. Close enuf

>for gov't work...
>b
>
>-
>--- s721370 <seanfried@...> wrote:
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> > Also I am talking about one VFO, no splits or
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2389. [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 16:16:32 UTC
From: donii@sympatico.ca
Topic: 2388 Message: 2389

Sean
I like your 'return' to ham radio. Nothing boring about that...I'm doing the same thing after a hiatus of nearly 20 years. I had gotten all the superior tickets then. In Canada there are only two tickets or levels. But mind you I am like a beginner again....my cw and operating procedures are quite rusty.
If I remeber right you tune the rig to hear the other station to about the same audio frequency as the audio sidetone frequency of your rig. The Kenwoods are around 700 hertz if I'm not mistaken If you 0 beat the other guy he won't hear you 'cause you are 0 beat on him. So its easy: just tune and when his cw is pleasent and 'normal' just start transmitting!
Anyone......If I'm wrong , please say so. Like I said this was 20 years ago
Peter

2390. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 18:25:25 UTC
From: Bill K0ZL
Topic: 2388 Message: 2390

Sean,

I think it is great, what you have done.

I would not use the TUNE mode to tune in CW stations,
then switching to CW... etc... just too much work.

The idea of a transceiver is to tune them in one step
and hit them fast to get that rare one.. or whatever.

You will get used to the tone or pitch of your CW
sidetone, just tap the key for a short bit and
memorize it, then tune about until the other guy is
about the same pitch.

They will not always complain if you are too far off.

Best bet is to get someone on the fone to listen to
you as you answer their call, then tell you if you are
zero beat or thereabouts with them.

Don't worry about your novice accent, just get on
there and have fun.

bill K0ZL
--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

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> Sean - WA2LKV
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> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] 520 Mode
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> >-
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> >=====
> >

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> >
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"If in doubt, MODIFY" --k0zl

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2391. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 18:28:22 UTC
From: Bill K0ZL
Topic: 2388 Message: 2391

You guys can call me in the evenings (> 1830 moutain
time) and if I can, I will get on air with you and
help you get going. Easiest that way.

bill K0ZL
303-424-4858

QRV on 10-80 from Denver area

--- "donii@..." <donii@...> wrote:

> Sean
> I like your 'return' to ham radio. Nothing boring
> about that...I'm doing
> the same thing after a hiatus of nearly 20 years. I
> had gotten all the
> superior tickets then. In Canada there are only two
> tickets or levels.
> But mind you I am like a beginner again....my cw and
> operating
> procedures are quite rusty.
> If I remeber right you tune the rig to hear the
> other station to about
> the same audio frequency as the audio sidetone
> frequency of your rig.
> The Kenwoods are around 700 hertz if I'm not
> mistaken If you 0 beat the
> other guy he won't hear you 'cause you are 0 beat
> on him. So its
> easy: just tune and when his cw is pleasent and
> 'normal' just start
> transmitting!
> Anyone......If I'm wrong , please say so. Like I
> said this was 20 years ago
> Peter
>

=====

"If in doubt, MODIFY" --k0zl

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2392. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 20:45:35 UTC
From: csahlgren@aol.com
Topic: 2388 Message: 2392

Sean:

I have had a TS820S since 1979 and operated it as a primary rig for 22 years. It is similar in nature to the 520 and of the same vintage, so when I speak from my experience with the 820S, I would assume that it would apply to the 520 as well.

The "TUN" mode is used to tune the transmitter side of the tranceiver. In that mode, the keying circuit does not work and the drive power to the finals is reduced to protect them from over current while the final tank circuit is tuned to resonance. I don't know if the same filtering is applied in receive as is for CW, but since, if you were careful, you could tune the finals using CW, all else is probably the same. Therefore, I would assume that it probably is and that the receiver probably sounds the same as for CW. But I never operated my rig that way.

If you don't have the operating manual for the rig, I would suggest that you visit _www.mods.dk_ (http://www.mods.dk) and see if they have one available for download -- it's free and there is a wonderful load of info on that site.

Good luck, and welcome back to the ham bands.

73's de Charles, WB6IYM

[Non-text portions of this message have been removed]

2393. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 20:45:45 UTC
From: Ron Kienzle
Topic: 2388 Message: 2393

Welcome back to ham radio, Sean. I hope you are having a lot of fun.

As a practical matter, Bill's procedure is best -- with your 520 in CW mode, receiving CW and you want to zero beat a station, just turn the dial until his carrier is the same tone as your sidetone. I forget how the 520 works but, with the vox turned off and the T/R switch down, can't you hear your sidetown when you press the key but you're still receiving and no transmission occurs? If so, just tune so the two tones, his and your sidetone are identical. You won't be more than 50 or 100 Hz off -- close enough. If it doesn't work that way, you can guess close enough.

See, both your BFO and your sidetone should be about the same offset from dead center -- probably about 750 Hz.

Hope that helps. It's really very easy.

73,

--Ron (KZ7P)

-----Original Message-----
From: Sean.....He's the cat that won't cop out even when there's danger all about..... [mailto:seanfried@...]
Sent: Saturday, October 02, 2004 12:04 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] 520 Mode confusion - continued

Thanks to both Ron - KZ7P and Bill - K0ZL for their explanations. Please can
you fellows elaborate just a but more. Say I am tuning on the band looking for a CW QSO. For general receiving do I keep the rig in TUNE mode? Then when I hear a station I like, I zero beat the signal and then switch to CW mode to transmit? Is this correct? My transmit signal would be right on with
the other station, no? Then when I done transmitting, do I keep my rig in CW
mode and I will hear the station because he/she will be offset by the 700 hertz or so difference between the modes? I guess I could go expirement but
I would prefer not to muddy the airwaves with my expirementation. Please bare with me, I never used a tranceiver before.

TRIVIA: After more than 20 years off the air and my ticket expiring, one month ago passed elements 1 and 2. I became KC9GNA.

This past Thursday, my 502s came in the mail, Friday my vanity call became active so I reclaimed my old call WA2LKV, I took off work and built my 20

meter vertical on Friday as well. Today (Saturday), I just got back from passing my General exam and am hoping to run out to get a key and antenna tuner to go back on the air for first time since 1983....oh yeah, I was a life long novice operator before today. This is probably not terribly thrilling to y'all but I am very excited, thus the life story.

Thanks again gang,

Sean - WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 520 Mode confusion
>Date: Fri, 1 Oct 2004 15:52:44 -0700 (PDT)
>
>TUNE mode in transmit lowers your screen voltage to a
>safe level, so you are less likely to damage your
>tubes if the tank circuit is out of resonance for too
>long.
>
>TUNE mode in RECEIVE allows you to ZERO BEAT a CW
>signal by going for... well, zero beat (lower tone,
>lower, l-o-w-e-r, then zero). Then when you flop back
>to CW mode and start transmitting you should be right
>on top of the other guy's freq.
>
>I never use that for tuning on rx on cw mode; instead,
>I just set the other guy so that his sig has the same
>pitch as my sidetone when I tap the key. Close enuf
>for gov't work...
>b
>
>-
>--- s721370 <seanfried@...> wrote:
>
> > Can anyone please explain to me, better than the
> > manual, what the
> > point of the tune mode VS. the CW mode. I understand
> > the relationship
> > and use of the tune mode when tuning up the radio
> > but as far as
> > operating the radio I am confused as all heck. The
> > manual says in CW
> > mode the straight up pointer notch is your frequency
> > but then you
> > should switch to tune mode and zero beat something
> > else and that is
> > your receive frequency??!!! I understand this
> > concept when operating a
> > seperate XMTR and RCVR but what is the point of this

> > with a
> > tranceiver? I though the freqency you were
> > transmitting on was the
> > frequency you would receive on also...No? Please
> > someone straighten me
> > out.
> >
> > Also I am talking about one VFO, no splits or
> > anything like that, just
> > simple HF CW operation.
> >
> > Many thanks in advance!
> >
> > Sean - KC9GNA
> >
> >
>
>
>=====
>
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>
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[Non-text portions of this message have been removed]

2394. Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-02 21:00:53 UTC
From: John Shadle
Topic: 2394 Message: 2394

I have a TS-520 which came with no microphone. I have a couple of old swap-meet mikes whose plugs fit the TS-520, but they have no matching transformers inside. The TS-520 manual is adamant about having a mike with a 50K impedance.

Does anyone have any ideas? Help will be much appreciated.

John
kc0rpw

2395. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 01:28:15 UTC
From: Bill K0ZL
Topic: 2388 Message: 2395

all you need is to be within about 250 hz of the guy
calling CQ... that gets you inside most of the narrow
filter bandpasses.

When I call CQ I usually keep my RIT on, and then
sweep it around looking for guys... esp on the QRP
freqs, some of those rigs have wierd offsets.

b

--- Ron Kienzle <ron@...> wrote:

> Welcome back to ham radio, Sean. I hope you are
> having a lot of fun.
>
> As a practical matter, Bill's procedure is best --
> with your 520 in CW mode,
> receiving CW and you want to zero beat a station,
> just turn the dial until
> his carrier is the same tone as your sidetone. I
> forget how the 520 works
> but, with the vox turned off and the T/R switch
> down, can't you hear your
> sidetown when you press the key but you're still
> receiving and no
> transmission occurs? If so, just tune so the two
> tones, his and your
> sidetone are identical. You won't be more than 50 or
> 100 Hz off -- close
> enough. If it doesn't work that way, you can guess
> close enough.
>
> See, both your BFO and your sidetone should be about
> the same offset from
> dead center -- probably about 750 Hz.
>
> Hope that helps. It's really very easy.
>
> 73,
>
> --Ron (KZ7P)
>
> -----Original Message-----
> From: Sean.....He's the cat that won't cop out
> even when there's danger
> all about..... [mailto:seanfried@...]

> Sent: Saturday, October 02, 2004 12:04 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] 520 Mode confusion -
> continued
>
>
> Thanks to both Ron - KZ7P and Bill - K0ZL for
> their explanations. Please
> can
> you fellows elaborate just a but more. Say I am
> tuning on the band looking
> for a CW QSO. For general receiving do I keep the
> rig in TUNE mode? Then
> when I hear a station I like, I zero beat the
> signal and then switch to CW
> mode to transmit? Is this correct? My transmit
> signal would be right on
> with
> the other station, no? Then when I done
> transmitting, do I keep my rig in
> CW
> mode and I will hear the station because he/she
> will be offset by the 700
> hertz or so difference between the modes? I guess
> I could go expirement
> but
> I would prefer not to muddy the airwaves with my
> expirementation. Please
> bare with me, I never used a tranceiver before.
>
> TRIVIA: After more than 20 years off the air and
> my ticket expiring, one
> month ago passed elements 1 and 2. I became
> KC9GNA.
>
> This past Thursday, my 502s came in the mail,
> Friday my vanity call became
> active so I reclaimed my old call WA2LKV, I took
> off work and built my 20
> meter vertical on Friday as well. Today
> (Saturday), I just got back from
> passing my General exam and am hoping to run out
> to get a key and antenna
> tuner to go back on the air for first time since
> 1983....oh yeah, I was a
> life long novice operator before today. This is
> probably not terribly
> thrilling to y'all but I am very excited, thus the
> life story.
>

> Thanks again gang,
>
> Sean - WA2LKV
>
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] 520 Mode
> confusion
> >Date: Fri, 1 Oct 2004 15:52:44 -0700 (PDT)
> >
> >TUNE mode in transmit lowers your screen voltage
> to a
> >safe level, so you are less likely to damage your
> >tubes if the tank circuit is out of resonance for
> too
> >long.
> >
> >TUNE mode in RECEIVE allows you to ZERO BEAT a CW
> >signal by going for... well, zero beat (lower
> tone,
> >lower, l-o-w-e-r, then zero). Then when you flop
> back
> >to CW mode and start transmitting you should be
> right
> >on top of the other guy's freq.
> >
> >I never use that for tuning on rx on cw mode;
> instead,
> >I just set the other guy so that his sig has the
> same
> >pitch as my sidetone when I tap the key. Close
> enuf
> >for gov't work...
> >b
> >
> >-
> >--- s721370 <seanfried@...> wrote:
> >
> > > Can anyone please explain to me, better than
> the
> > > manual, what the
> > > point of the tune mode VS. the CW mode. I
> understand
> > > the relationship
> > > and use of the tune mode when tuning up the
> radio
> > > but as far as
> > > operating the radio I am confused as all heck.

> The
> > > manual says in CW
> > > mode the straight up pointer notch is your
> frequency
> > > but then you
> > > should switch to tune mode and zero beat
> something
> > > else and that is
> > > your receive frequency??!!! I understand this
> > > concept when operating a
> > > seperate XMTR and RCVR but what is the point
> of this
> > > with a
> > > tranceiver? I though the freqency you were
> > > transmitting on was the
> > > frequency you would receive on also...No?
> Please
> > > someone straighten me
> > > out.
> > >
> > > Also I am talking about one VFO, no splits or
> > > anything like that, just
> > > simple HF CW operation.
> > >
> > > Many thanks in advance!
> > >
> > > Sean - KC9GNA
> > >
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> >
> >"If in doubt, MODIFY" --k0zl
> >
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2396. Re: [TS-520_820_530_830] Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 01:36:07 UTC
From: Bill K0ZL
Topic: 2394 Message: 2396

Rat Shack used to sell those things, blister pack
transformer, coupla bucks... if they don't have them,
come back, we will find you one.

b

--- John Shadle <jshadle.geo@...> wrote:

>
> I have a TS-520 which came with no microphone. I
> have a couple of
> old swap-meet mikes whose plugs fit the TS-520, but
> they have no
> matching transformers inside. The TS-520 manual is
> adamant about
> having a mike with a 50K impedance.
>
> Does anyone have any ideas? Help will be much
> appreciated.
>
> John
> kc0rpw
>
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2397. Re: 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 02:36:00 UTC
From: pchapman9202003
Topic: 2388 Message: 2397

Are you kidding? We are thrilled to have you back, and nothing is boring about it. There is more help than you have had from many years ago, with the exception of the good old one on one which is getting harder to come by. K0ZL runs the best ham forums, period. He lets us have fun but will slap us when we get out of line, which we usually deserve. We need more folks to come back to set example to the newbies.

I have been back to HF less than 2 years after 15 off, but I have had as much fun as I did forty years ago when I got my general ticket. I just have to ask a lot of questions about things I used to know easily.

2398. Re: Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 02:56:52 UTC
From: pchapman9202003
Topic: 2394 Message: 2398

Shure made quite a few high impedance mikes from a good while back, which, if they did not belong to smokers are still kicking well today. One which was not pretty was the Shure 444D model that had a hi-low imp switch. I have talked to quite a few of them on 820's, and they still sound good, very good. I have also heard of them being had for 5-10 bucks. I have the old shure 444 no designation which works fine on my 820. A little tricky to wire with the ground split etc you have to create. But it still cooks, after 35 years. Ugly, but works great! Bill mentioned Rat Shack. I have seen, but do not have the URL hooks on some pretty exotic stuff people have built, headsets, booms, you name it using specific model stuff, but cheap. (They also have crap too, I have read!)that they swear works better than anything Heil has. Used Kenwood mikes in general that I have seen, even pretty old, seem to carry a high price tag, very high!!!!
Good luck. Hope you have enough luxury of time to get the best bang for the buck. If you have issues with the wiring, I think I have it in an old PC if you do not have the manual

--- In TS-520_820_530_830@yahoogroups.com, "John Shadle" <jshadle.geo@y...> wrote:
>
> I have a TS-520 which came with no microphone. I have a couple of
> old swap-meet mikes whose plugs fit the TS-520, but they have no
> matching transformers inside. The TS-520 manual is adamant about
> having a mike with a 50K impedance.
>
> Does anyone have any ideas? Help will be much appreciated.
>
> John
> kc0rpw

2399. Re: [TS-520_820_530_830] Re: 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 11:55:05 UTC
From: Bill K0ZL
Topic: 2388 Message: 2399

Thanks Paul.

The groups pretty much run themselves... good bunch of
people! Very little intervention needed.

Thanks to the group also.

73,

Bill K0ZL

--- pchapman9202003 <p_chap@...> wrote:

>
> Are you kidding? We are thrilled to have you back,
> and nothing is
> boring about it. There is more help than you have
> had from many
> years ago, with the exception of the good old one on
> one which is
> getting harder to come by. K0ZL runs the best ham
> forums, period. He
> lets us have fun but will slap us when we get out of
> line, which we
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> I have been back to HF less than 2 years after 15
> off, but I have
> had as much fun as I did forty years ago when I got
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> ticket. I just have to ask a lot of questions about
> things I used to
> know easily.
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>

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2400. TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 15:18:57 UTC
From: Alan Wolke
Topic: 2400 Message: 2400

Hello All,

My TS-830S has recently begun to develop a small problem, which I think may be the HV doubler caps starting to go. Audio reports that I've been getting have indicated that I've got a little distortion. Recordings that I have heard sound similar to the effect that you hear when speaking through a fan (slight choppy, modulated audio). It makes me think that maybe I've got a little 120Hz on the HV supply.

I also took a look at the CW envelope on my SM-220 scope, and I can see a small amount of ripple that may be 120Hz (I'll have to do a quick freq cal to check it).

Given this description, would you agree that the HV caps are suspect, or should I look elsewhere. I nearly sure these caps are original.

Anyone know of a good replacement source for these caps? Or have a good set laying around?

Thanks and 73,
Alan
W2AEW

2401. Re: [TS-520_820_530_830] TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 16:51:16 UTC
From: Bill K0ZL
Topic: 2400 Message: 2401

Yep, time to change them.

I get mine from Digikey, will give you the number when
I get to the shop tomorrow.

b

--- Alan Wolke <w2aew@...> wrote:

> Hello All,
>
> My TS-830S has recently begun to develop a small
> problem, which I think
> may be the HV doubler caps starting to go. Audio
> reports that I've
> been getting have indicated that I've got a little
> distortion.
> Recordings that I have heard sound similar to the
> effect that you hear
> when speaking through a fan (slight choppy,
> modulated audio). It makes
> me think that maybe I've got a little 120Hz on the
> HV supply.
>
> I also took a look at the CW envelope on my SM-220
> scope, and I can see
> a small amount of ripple that may be 120Hz (I'll
> have to do a quick freq
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>
> Given this description, would you agree that the HV
> caps are suspect, or
> should I look elsewhere. I nearly sure these caps
> are original.
>
> Anyone know of a good replacement source for these
> caps? Or have a good
> set laying around?
>
> Thanks and 73,
> Alan
> W2AEW
>
>

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"If in doubt, MODIFY" --k0zl

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2402. Re: [TS-520_820_530_830] TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 17:18:59 UTC
From: peter A markavage
Topic: 2400 Message: 2402

"when speaking through a fan" Is that similar to "talk to the hand"? Poke a scope in the power supply section and take a look at the waveforms. See what kind of AC ripple you get there when you modulated the rig. Check to see if the caps are very warm to the touch, have strange bubbles forming on them or are starting to leak "stuff". All good clues that they should be replaced.

You going next week??
Pete, wa2cwa

On Sun, 03 Oct 2004 11:18:57 -0400 Alan Wolke <w2aew@...> writes:
Hello All,

My TS-830S has recently begun to develop a small problem, which I think may be the HV doubler caps starting to go. Audio reports that I've been getting have indicated that I've got a little distortion. Recordings that I have heard sound similar to the effect that you hear when speaking through a fan (slight choppy, modulated audio). It makes me think that maybe I've got a little 120Hz on the HV supply.

I also took a look at the CW envelope on my SM-220 scope, and I can see a small amount of ripple that may be 120Hz (I'll have to do a quick freq cal to check it).

Given this description, would you agree that the HV caps are suspect, or should I look elsewhere. I nearly sure these caps are original.

Anyone know of a good replacement source for these caps? Or have a good set laying around?

Thanks and 73,
Alan
W2AEW

[Non-text portions of this message have been removed]

2403. Re: [TS-520_820_530_830] TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 18:06:57 UTC
From: Alan Wolke
Topic: 2400 Message: 2403

Hi Pete,

Yep, that's what I planned to do next (probe the supply), once I get a chance to un-bury the rig from the shack bench. Under full power CW, where the HV supply is taxed the most - I wonder how much ripple is typical/acceptable?

I do plan on going to the Packrats hamfest next week. In fact, there should be a bunch of us there (including George N3GH, Ron N2NGY, John KF2JG, Tom AG4QP and maybe even Levent WW2L). Ron and John are planning on coming here, and the three of us will drive down together. Hopefully the wx will cooperate - see you there!

73,
Alan

peter A markavage wrote:

>
> "when speaking through a fan" Is that similar to "talk to the hand"?
> Poke
> a scope in the power supply section and take a look at the waveforms.
> See
> what kind of AC ripple you get there when you modulated the rig. Check
> to
> see if the caps are very warm to the touch, have strange bubbles
> forming
> on them or are starting to leak "stuff". All good clues that they
> should
> be replaced.
>
> You going next week??
> Pete, wa2cwa
>
> On Sun, 03 Oct 2004 11:18:57 -0400 Alan Wolke <w2aew@...> writes:
>
> Hello All,
>
> My TS-830S has recently begun to develop a small problem, which I
> think
> may be the HV doubler caps starting to go. Audio reports that I've
> been getting have indicated that I've got a little distortion.
> Recordings that I have heard sound similar to the effect that you hear
>
> when speaking through a fan (slight choppy, modulated audio). It
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> me think that maybe I've got a little 120Hz on the HV supply.
>
> I also took a look at the CW envelope on my SM-220 scope, and I can
> see
> a small amount of ripple that may be 120Hz (I'll have to do a quick
> freq
> cal to check it).
>
> Given this description, would you agree that the HV caps are suspect,
> or
> should I look elsewhere. I nearly sure these caps are original.
>
> Anyone know of a good replacement source for these caps? Or have a
> good
> set laying around?
>
> Thanks and 73,
> Alan
> W2AEW

2404. Re: [TS-520_820_530_830] TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 18:08:37 UTC
From: Alan Wolke
Topic: 2400 Message: 2404

Thanks Bill.

Bill K0ZL wrote:

> Yep, time to change them.
>
> I get mine from Digikey, will give you the number when
> I get to the shop tomorrow.
>
> b
>
> --- Alan Wolke <w2aew@...> wrote:
>
> > Hello All,
> >
> > My TS-830S has recently begun to develop a small
> > problem, which I think
> > may be the HV doubler caps starting to go. Audio
> > reports that I've
> > been getting have indicated that I've got a little
> > distortion.
> > Recordings that I have heard sound similar to the
> > effect that you hear
> > when speaking through a fan (slight choppy,
> > modulated audio). It makes
> > me think that maybe I've got a little 120Hz on the
> > HV supply.
> >
> > I also took a look at the CW envelope on my SM-220
> > scope, and I can see
> > a small amount of ripple that may be 120Hz (I'll
> > have to do a quick freq
> > cal to check it).
> >
> > Given this description, would you agree that the HV
> > caps are suspect, or
> > should I look elsewhere. I nearly sure these caps
> > are original.
> >
> > Anyone know of a good replacement source for these
> > caps? Or have a good
> > set laying around?
> >
> > Thanks and 73,
> > Alan

> > W2AEW
> >
> >
>

2405. Re: [TS-520_820_530_830] TS-830S: filter caps going?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 19:16:50 UTC
From: Bill K0ZL
Topic: 2400 Message: 2405

Using DVM on AC range, make sure it can handle
1000v...

you should see no more than 2v p-p or about 1v rms
when in transmit, idle current SSB of 60mA

What does your plate voltage read in transmit mode?
Should be over 800v.

When one of the caps fail, it will drop to 400-450
volts, and you will get hummmmm but no blown fuse.

b

--- Alan Wolke <w2aew@...> wrote:

> Hi Pete,
>
> Yep, that's what I planned to do next (probe the
> supply), once I get a
> chance to un-bury the rig from the shack bench.
> Under full power CW,
> where the HV supply is taxed the most - I wonder how
> much ripple is
> typical/acceptable?
>
> I do plan on going to the Packrats hamfest next
> week. In fact, there
> should be a bunch of us there (including George
> N3GH, Ron N2NGY, John
> KF2JG, Tom AG4QP and maybe even Levent WW2L). Ron
> and John are planning
> on coming here, and the three of us will drive down
> together. Hopefully
> the wx will cooperate - see you there!
>
> 73,
> Alan
>
>
> peter A markavage wrote:
>
> > >
> > "when speaking through a fan" Is that similar to
> "talk to the hand"?
> > > Poke

> > a scope in the power supply section and take a
> look at the waveforms.
> > See
> > what kind of AC ripple you get there when you
> modulated the rig. Check
> > to
> > see if the caps are very warm to the touch, have
> strange bubbles
> > forming
> > on them or are starting to leak "stuff". All good
> clues that they
> > should
> > be replaced.
> >
> > You going next week??
> > Pete, wa2cwa
> >
> > On Sun, 03 Oct 2004 11:18:57 -0400 Alan Wolke
> <w2aew@...> writes:
> >
> > Hello All,
> >
> > My TS-830S has recently begun to develop a small
> problem, which I
> > think
> > may be the HV doubler caps starting to go. Audio
> reports that I've
> > been getting have indicated that I've got a little
> distortion.
> > Recordings that I have heard sound similar to the
> effect that you hear
> >
> > when speaking through a fan (slight choppy,
> modulated audio). It
> > makes
> > me think that maybe I've got a little 120Hz on the
> HV supply.
> >
> > I also took a look at the CW envelope on my SM-220
> scope, and I can
> > see
> > a small amount of ripple that may be 120Hz (I'll
> have to do a quick
> > freq
> > cal to check it).
> >
> > Given this description, would you agree that the
> HV caps are suspect,
> > or
> > should I look elsewhere. I nearly sure these caps

> are original.
> >
> > Anyone know of a good replacement source for these
> caps? Or have a
> > good
> > set laying around?
> >
> > Thanks and 73,
> > Alan
> > W2AEW
>
>

=====

"If in doubt, MODIFY" --k0zl

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2406. For Sale: Kenwood MC-50 Microhpone

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 21:09:45 UTC
From: kzerokav
Topic: 2406 Message: 2406

This beautiful MC-50 appears to have NEVER been used. It is in the original box (and packaging) with the original instruction manual (not the sheet that you usually see)and the factory warranty card and warranty, never sent in. The PTT bars are lilly white. It is the original 4 pin connector. It is definitely in collector condition. $75 + shipping.

Please reply direct:

kavan@...

Tks, Van
KL7TDZ

2407. For Sale: Kenwood TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 22:09:24 UTC
From: Keith V
Topic: 2407 Message: 2407

The last of the Kenwood 520 era, this is a two owner radio in excellent condition inside and out. 160M thru 10M...125W key down on 75M, very slightly less on the higher bands. Beautiful RX/TX audio and great on CW. Everything works as designed, VFO and all knobs work smoothly, all lights are operational. It has been well cared for and would make an excellent back-up radio or even a primary unit. Instruction manual and Service manual included as well as the original warranty card, never sent in. :-) $250 + shipping.

Please reply direct to:

kavan(at)neb.rr.com

Tks, Van
KL7TDZ

2408. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 22:36:35 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2388 Message: 2408

Once I get all the pieces of my station assembled I will take you up on that offer. Has there ever been a net from this group?

BTW, another question...2 actually if I can be so bold. My S meter shows no movement when my AGC is set to off. It seems to work fine with the AGC set to fast or slow but does nothing when set to slow. Does anyone know if this means more than the meter is screwed up or needs calibration???

Also does anyone have a YG-3395C CW filter they want to sell?

Thanks,

Sean WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 520 Mode confusion - continued
>Date: Sat, 2 Oct 2004 11:28:22 -0700 (PDT)
>
>You guys can call me in the evenings (> 1830 moutain
>time) and if I can, I will get on air with you and
>help you get going. Easiest that way.
>
>bill K0ZL
>303-424-4858
>
>QRV on 10-80 from Denver area
>
>
>--- "donii@..." <donii@...> wrote:
>
> > Sean
> > I like your 'return' to ham radio. Nothing boring
> > about that...I'm doing
> > the same thing after a hiatus of nearly 20 years. I
> > had gotten all the
> > superior tickets then. In Canada there are only two
> > tickets or levels.
> > But mind you I am like a beginner again....my cw and
> > operating
> > procedures are quite rusty.
> > If I remeber right you tune the rig to hear the
> > other station to about
> > the same audio frequency as the audio sidetone
> > frequency of your rig.

> > The Kenwoods are around 700 hertz if I'm not
> > mistaken If you 0 beat the
> > other guy he won't hear you 'cause you are 0 beat
> > on him. So its
> > easy: just tune and when his cw is pleasent and
> > 'normal' just start
> > transmitting!
> > Anyone......If I'm wrong , please say so. Like I
> > said this was 20 years ago
> > Peter
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
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2409. YG-3305C CW filter added to original add

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 23:24:42 UTC
From: Keith V
Topic: 2409 Message: 2409

The last of the Kenwood 520 era, this is a two owner radio in excellent condition inside and out. 160M thru 10M...125W key down on 75M, very slightly less on the higher bands. Beautiful RX/TX audio and great on CW.
YG-3395C
Optional CW filter included. Everything works as designed, VFO and all knobs work smoothly, all lights are operational. It has been well cared for and would make an excellent
back-up radio or even a primary unit. Instruction manual and Service manual included as well as the original warranty card, never sent in. :-) $250 + shipping.

Please reply direct to:

kavan(at)neb.rr.com

Tks, Van
KL7TDZ

2410. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 23:40:59 UTC
From: Ron Kienzle
Topic: 2388 Message: 2410

On my 530, the s-meter doesn't work either when AGC is off. My manual doesn't say anything about that so I don't know whether it's supposed to turn off or not.

--Ron (KZ7P)

-----Original Message-----
From: Sean.....He's the cat that won't cop out even when there's danger all about..... [mailto:seanfried@...]
Sent: Sunday, October 03, 2004 6:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 520 Mode confusion - continued

Once I get all the pieces of my station assembled I will take you up on that
offer. Has there ever been a net from this group?

BTW, another question...2 actually if I can be so bold. My S meter shows no
movement when my AGC is set to off. It seems to work fine with the AGC set to fast or slow but does nothing when set to slow. Does anyone know if this
means more than the meter is screwed up or needs calibration???

Also does anyone have a YG-3395C CW filter they want to sell?

Thanks,

Sean WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 520 Mode confusion - continued
>Date: Sat, 2 Oct 2004 11:28:22 -0700 (PDT)
>
>You guys can call me in the evenings (> 1830 moutain
>time) and if I can, I will get on air with you and
>help you get going. Easiest that way.
>
>bill K0ZL
>303-424-4858
>
>QRV on 10-80 from Denver area
>
>
>--- "donii@..." <donii@...> wrote:

>
> > Sean
> > I like your 'return' to ham radio. Nothing boring
> > about that...I'm doing
> > the same thing after a hiatus of nearly 20 years. I
> > had gotten all the
> > superior tickets then. In Canada there are only two
> > tickets or levels.
> > But mind you I am like a beginner again....my cw and
> > operating
> > procedures are quite rusty.
> > If I remeber right you tune the rig to hear the
> > other station to about
> > the same audio frequency as the audio sidetone
> > frequency of your rig.
> > The Kenwoods are around 700 hertz if I'm not
> > mistaken If you 0 beat the
> > other guy he won't hear you 'cause you are 0 beat
> > on him. So its
> > easy: just tune and when his cw is pleasent and
> > 'normal' just start
> > transmitting!
> > Anyone......If I'm wrong , please say so. Like I
> > said this was 20 years ago
> > Peter
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
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[Non-text portions of this message have been removed]

2411. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-03 23:54:16 UTC
From: Brian
Topic: 2388 Message: 2411

Hmm. I just checked my TS-530S, and the s-meter works just fine with the
AGC switch in any [OFF/FAST/SLOW] position.

73 de AI4AI,
- Brian

-----Original Message-----
From: Ron Kienzle [mailto:ron@...]
Sent: Sunday, October 03, 2004 7:41 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] 520 Mode confusion - continued

On my 530, the s-meter doesn't work either when AGC is off. My manual
doesn't say anything about that so I don't know whether it's supposed to
turn off or not.

--Ron (KZ7P)

-----Original Message-----
From: Sean.....He's the cat that won't cop out even when there's danger
all about..... [mailto:seanfried@...]
Sent: Sunday, October 03, 2004 6:37 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] 520 Mode confusion - continued

Once I get all the pieces of my station assembled I will take you up on
that
offer. Has there ever been a net from this group?

BTW, another question...2 actually if I can be so bold. My S meter shows
no
movement when my AGC is set to off. It seems to work fine with the AGC set
to fast or slow but does nothing when set to slow. Does anyone know if
this
means more than the meter is screwed up or needs calibration???

Also does anyone have a YG-3395C CW filter they want to sell?

Thanks,

Sean WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] 520 Mode confusion - continued
>Date: Sat, 2 Oct 2004 11:28:22 -0700 (PDT)
>

>You guys can call me in the evenings (> 1830 moutain
>time) and if I can, I will get on air with you and
>help you get going. Easiest that way.
>
>bill K0ZL
>303-424-4858
>
>QRV on 10-80 from Denver area
>
>
>--- "donii@..." <donii@...> wrote:
>
> > Sean
> > I like your 'return' to ham radio. Nothing boring
> > about that...I'm doing
> > the same thing after a hiatus of nearly 20 years. I
> > had gotten all the
> > superior tickets then. In Canada there are only two
> > tickets or levels.
> > But mind you I am like a beginner again....my cw and
> > operating
> > procedures are quite rusty.
> > If I remeber right you tune the rig to hear the
> > other station to about
> > the same audio frequency as the audio sidetone
> > frequency of your rig.
> > The Kenwoods are around 700 hertz if I'm not
> > mistaken If you 0 beat the
> > other guy he won't hear you 'cause you are 0 beat
> > on him. So its
> > easy: just tune and when his cw is pleasent and
> > 'normal' just start
> > transmitting!
> > Anyone......If I'm wrong , please say so. Like I
> > said this was 20 years ago
> > Peter
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

2412. Aprox. price for a VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 00:44:51 UTC
From: José Pedro Alvarez
Topic: 2412 Message: 2412

Hello all,

I've been thinking on selling a VFO-820, can someone suggest a ballpark asking price for one in good condition, but a modified connector cable (only has connector on radio side, VFO has been internally connected).

Jose Pedro
CA3RVF
Santiago, Chile

2413. Re: For Sale: Kenwood MC-50 Microhpone

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 00:51:23 UTC
From: kzerokav
Topic: 2406 Message: 2413

Sold. Tks for replies.

Van,
KL7TDZ

2414. Re: For Sale: Kenwood TS-520SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 00:54:57 UTC
From: kzerokav
Topic: 2407 Message: 2414

The last of the Kenwood 520 era, this is a two owner radio in excellent condition inside and out. 160M thru 10M...125W key down on 75M, very slightly less on the higher bands. Beautiful RX/TX audio and great on CW. Includes the YG-3395C optional CW filter. Everything works as designed, VFO and all knobs work smoothly, all lights are operational. It has been well cared for and would make an excellent back-up radio or a primary unit. Instruction manual and Service manual included as well as the original warranty card, never sent in. :-) $250 + shipping.

Please reply direct to:

kavan(at)neb.rr.com

Tks, Van
KL7TDZ

2415. Re: [TS-520_820_530_830] Aprox. price for a VFO-820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 00:57:45 UTC
From: Norm Fusaro
Topic: 2412 Message: 2415

about $100 to 150
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Jos? Pedro Alvarez" <josepedro@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, October 03, 2004 8:44 PM
Subject: [TS-520_820_530_830] Aprox. price for a VFO-820

>
>
> Hello all,
>
> I've been thinking on selling a VFO-820, can someone suggest a
> ballpark asking price for one in good condition, but a modified
> connector cable (only has connector on radio side, VFO has been
> internally connected).
>
> Jose Pedro
> CA3RVF
> Santiago, Chile
>
>
>
>
>
>
>
> Yahoo! Groups Links
>
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>
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>

2416. Re: For Sale: Kenwood TS-520SE(SOLD)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 01:35:35 UTC
From: kzerokav
Topic: 2407 Message: 2416

SOLD. Tks for the replies.

Van,
KL7TDZ

2417. Re: [TS-520_820_530_830]Digital Readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 02:10:52 UTC
From: n2tmc
Topic: 2384 Message: 2417

It would really be cool to find plans to build a digital display
with old time technology rather than something from AADE...I'm going
to have to go that route. I love my 520 but I hate trying to
calculate my frequency.

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage
<pmarkavage@j...> wrote:
> You're probably referring to the Spectronics DD-1K.
>
> Pete, wa2cwa
>
> On Sat, 02 Oct 2004 01:38:17 +0000 james27613@a... writes:
> There was an external digital display for the 520/820
> DFD/K that uses nixie tubes, I think Henry and another
> co. sold them way back when.
>
> Sometimes you can find them on lists.
>
> 73 james ke4drn
>
> [Non-text portions of this message have been removed]

2418. New member TS-520 (with TX problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 03:10:06 UTC
From: Charles Kaross
Topic: 2418 Message: 2418

Hello everyone,
I just joined this group on Friday so let me introduce myself.

I have had a long time interest in radio, electronics, SWL etc.
This spring I finally got my Tech license (shortly after my 50th
birthday) and am hoping to have my General by the end of the year.

To motivate me during code practice, I recently purchased a TS-520
on eBay and have been listening to it for the past week.

My neighbor Bob two doors up has his Extra ticket and I've been
looking forward to having him check out the rig using his three-
element beam. Just got back from doing so and the apparently the rig
has a transmit problem.

Using the tune up procedure from the KG6HAF web site, here's what
was observed:

The idling plate current was 55 ma so we tweaked it up to 60 ma
using the bias control.

The HV in xmit reads 860V - seems a little high.

With the rig in Tune mode and the meter switched to ALC, the meter
reads 0 in xmit and the carrier control does not cause the reading
to increase.

When you key the mic, you can hear the T-R relay actuate - flipping
the front panel switch to send does not cause the relay to pull in
but I believe this is normal.

Checked to see that the back panel screen switch was "On".

Hoping that someone can point me in the right direction in getting
this sorted out -- this actually seems like a rig that the average
guy might have a chance of fixing.

Thanks and 73
Charles Kaross
KE5AVC
Garland, TX

2419. Re: [TS-520_820_530_830] For Sale: Kenwood MC-50 Microhpone

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:16:27 UTC
From: Bill K0ZL
Topic: 2406 Message: 2419

Keith that is a great price.

bill

--- kzerokav <kavan@...> wrote:

>
> This beautiful MC-50 appears to have NEVER been
> used. It is in the
> original box (and packaging) with the original
> instruction manual
> (not the sheet that you usually see)and the factory
> warranty card
> and warranty, never sent in. The PTT bars are lilly
> white. It is the
> original 4 pin connector. It is definitely in
> collector condition.
> $75 + shipping.
>
> Please reply direct:
>
> kavan@...
>
> Tks, Van
> KL7TDZ
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2420. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:21:04 UTC
From: Bill K0ZL
Topic: 2388 Message: 2420

4,000,900 members will post you on this one. The S meter IS the agc control voltage... so if AGC is off, so is the S meter.

By the way... experiment with turning AGC off, and then reducing RF gain on a QSO.. CW probably most effective for the illustration... Notice that now, you can HEAR THE QSB... agc defeats that little bit of natural input that we can learn to enjoy.

What are the REAL conditions out there? How fast and how deep is the fade? Well, turn off AGC, then reduce RF gain until you get no distortion on the sigs.. Quite a bit of reduction may be needed. Do this on 20M in the late afternoon, into the evening. It will blow your mind how much ionospheric information you have been missing.

73,

Bill
--- "Sean.....He's the cat that won't cop out even when there's danger all about....."
<seanfried@...> wrote:

> Once I get all the pieces of my station assembled I
> will take you up on that
> offer. Has there ever been a net from this group?
>
> BTW, another question...2 actually if I can be so
> bold. My S meter shows no
> movement when my AGC is set to off. It seems to work
> fine with the AGC set
> to fast or slow but does nothing when set to slow.
> Does anyone know if this
> means more than the meter is screwed up or needs
> calibration???
>
> Also does anyone have a YG-3395C CW filter they want
> to sell?
>
> Thanks,
>
> Sean WA2LKV
>
>

> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] 520 Mode
> confusion - continued
> >Date: Sat, 2 Oct 2004 11:28:22 -0700 (PDT)
> >
> >You guys can call me in the evenings (> 1830
> moutain
> >time) and if I can, I will get on air with you and
> >help you get going. Easiest that way.
> >
> >bill K0ZL
> >303-424-4858
> >
> >QRV on 10-80 from Denver area
> >
> >
> >--- "donii@..." <donii@...>
> wrote:
> >
> > > Sean
> > > I like your 'return' to ham radio. Nothing
> boring
> > > about that...I'm doing
> > > the same thing after a hiatus of nearly 20
> years. I
> > > had gotten all the
> > > superior tickets then. In Canada there are only
> two
> > > tickets or levels.
> > > But mind you I am like a beginner again....my cw
> and
> > > operating
> > > procedures are quite rusty.
> > > If I remeber right you tune the rig to hear the
> > > other station to about
> > > the same audio frequency as the audio sidetone
> > > frequency of your rig.
> > > The Kenwoods are around 700 hertz if I'm not
> > > mistaken If you 0 beat the
> > > other guy he won't hear you 'cause you are 0
> beat
> > > on him. So its
> > > easy: just tune and when his cw is pleasent and
> > > 'normal' just start
> > > transmitting!
> > > Anyone......If I'm wrong , please say so. Like I
> > > said this was 20 years ago
> > > Peter

> > >
> >
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >
> >Need a tech? See our website
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> >
> >
> >
> >
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2421. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:21:52 UTC
From: Paul Manuel
Topic: 2388 Message: 2421

--- Ron Kienzle <ron@...> wrote:
> On my 530, the s-meter doesn't work either when AGC is off. My manual
> doesn't say anything about that so I don't know whether it's supposed to
> turn off or not.

In every rig I have had, the S-meter did not function with AGC off, as it meters AGC action.
73,
Paul K4PDM

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http://mail.yahoo.com

2422. Re: [TS-520_820_530_830]Digital Readout

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:24:01 UTC
From: Bill K0ZL
Topic: 2384 Message: 2422

I have an old Heathkit freq counter with the Nixie
tubes in it, if you want, make offer under $100.00

b

--- n2tmc <n2tmc@...> wrote:

>
> It would really be cool to find plans to build a
> digital display
> with old time technology rather than something from
> AADE...I'm going
> to have to go that route. I love my 520 but I hate
> trying to
> calculate my frequency.
>
>
> --- In TS-520_820_530_830@yahoogroups.com, peter A
> markavage
> <pmarkavage@j...> wrote:
> > You're probably referring to the Spectronics
> DD-1K.
> > >
> > > Pete, wa2cwa
> > >
> > > On Sat, 02 Oct 2004 01:38:17 +0000 james27613@a...
> writes:
> > > There was an external digital display for the
> 520/820
> > > DFD/K that uses nixie tubes, I think Henry and
> another
> > > co. sold them way back when.
> > >
> > > Sometimes you can find them on lists.
> > >
> > > 73 james ke4drn
> > >
> > > [Non-text portions of this message have been
> removed]
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2423. Re: [TS-520_820_530_830] For Sale: Kenwood MC-50 Microhpone

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:25:47 UTC
From: Keith V
Topic: 2406 Message: 2423

It was far and away, the nicest I've ever seen Bill. On its way south to MO today.

Don't work too hard!

Van

>
> Keith that is a great price.
>
> bill
>
> --- kzerokav <kavan@...> wrote:
>
>>
>> This beautiful MC-50 appears to have NEVER been
>> used. It is in the
>> original box (and packaging) with the original
>> instruction manual
>> (not the sheet that you usually see)and the factory
>> warranty card
>> and warranty, never sent in. The PTT bars are lilly
>> white. It is the
>> original 4 pin connector. It is definitely in
>> collector condition.
>> $75 + shipping.
>>
>> Please reply direct:
>>
>> kavan@...
>>
>> Tks, Van
>> KL7TDZ

2424. Re: [TS-520_820_530_830] New member TS-520 (with TX problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 13:33:25 UTC
From: Bill K0ZL
Topic: 2418 Message: 2424

Failure to achieve ALC reading in TUNE or CW mode,
with carrier control UP and rotating the PRESELECT or
DRIVE TUNE knob (forget which it is on your rig),
indicates either need for RF deck alignment and/or a
new driver tube.

If you see ALC on ANY band, see if ALC drops off
rapidly after coming up in TX/tune modes; If so,
replace the driver tube.

How much power out are you getting on CW mode into a
dummy load? 20M best band to check. Then check on 10M
and report.

Does your plate current go above 220mA on CW mode,
with max power output? If not, continue...

Does the plate current dip about 10-15 percent, when
tuned for max power output? If not, check next step:

Does the plate current dip coincide with max power
output? If not, neutralize.

Temporarily increase your idling plate current from
60mA to max. In SSB, key the rig, and observe plate
current for 3 seconds only. Does the plate current
come up and pretty much stay up, or does it drop off
rapidly after coming up at first? Bad finals.

b

--- Charles Kaross <ckaross@...> wrote:

>
> Hello everyone,
> I just joined this group on Friday so let me
> introduce myself.
>
> I have had a long time interest in radio,
> electronics, SWL etc.
> This spring I finally got my Tech license (shortly
> after my 50th
> birthday) and am hoping to have my General by the
> end of the year.
>
> To motivate me during code practice, I recently
> purchased a TS-520

> on eBay and have been listening to it for the past
> week.
>
> My neighbor Bob two doors up has his Extra ticket
> and I've been
> looking forward to having him check out the rig
> using his three-
> element beam. Just got back from doing so and the
> apparently the rig
> has a transmit problem.
>
> Using the tune up procedure from the KG6HAF web
> site, here's what
> was observed:
>
> The idling plate current was 55 ma so we tweaked it
> up to 60 ma
> using the bias control.
>
> The HV in xmit reads 860V - seems a little high.
>
> With the rig in Tune mode and the meter switched to
> ALC, the meter
> reads 0 in xmit and the carrier control does not
> cause the reading
> to increase.
>
> When you key the mic, you can hear the T-R relay
> actuate - flipping
> the front panel switch to send does not cause the
> relay to pull in
> but I believe this is normal.
>
> Checked to see that the back panel screen switch was
> "On".
>
> Hoping that someone can point me in the right
> direction in getting
> this sorted out -- this actually seems like a rig
> that the average
> guy might have a chance of fixing.
>
> Thanks and 73
> Charles Kaross
> KE5AVC
> Garland, TX
>
>
>
>

>
>

=====

"If in doubt, MODIFY" --k0zl

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2425. RE: [TS-520_820_530_830] TV-506 connecting cables

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 14:26:37 UTC
From: Brent Baum
Topic: 2387 Message: 2425

Good question, Mike. I've been looking for the connectors, cables, etc. as well and have come to the conclusion that I'm either going to just pin the cable or manufacture my own. The connector is actually made by Hirose in Japan, but they're not readily available here in the States. Good luck.
K7MEI, Brent

-----Original Message-----
From: emporiaars [mailto:kc0nfg@bluestemtelco.com]
Sent: Saturday, October 02, 2004 9:39 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TV-506 connecting cables

Hello, I bought a TV-506 from KG6TTE in California. He just had it pinned to his rig. I was wondering where I might get the connectors and wire for the jumper? Thus I will be able to use the TS-820S that is just setting there. Still working on element 1 and 3. It takes a while for water to soak into cement! I will prevail! Any recomendations on antenna for six meter, wire or other. I am open to any and all suggestions. I work in machine shop and have access to the equipment. I do tig weld, so a beam is not out of the question. Is there any known quirks that I will run into? Thank you, Mike
KCØNFG 73

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<http://us.adserver.yahoo.com/l?M=294855.5468653.6549235.3001176/D=groups/S=:HM/A=2376776/rand=107363388>

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http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

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<http://docs.yahoo.com/info/terms/> .

[Non-text portions of this message have been removed]

2426. Re: Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 14:33:29 UTC
From: almikk62
Topic: 2394 Message: 2426

Bill,
Do you have a Radio Shack part number for this transformer as I need
one also and will a cobra power mic work on a TS-820S?
Thanks! Al KE7ALG

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Rat Shack used to sell those things, blister pack
> transformer, coupla bucks... if they don't have them,
> come back, we will find you one.
>
> b
>
> --- John Shadle <jshadle.geo@y...> wrote:
>
> >
> > I have a TS-520 which came with no microphone. I
> > have a couple of
> > old swap-meet mikes whose plugs fit the TS-520, but
> > they have no
> > matching transformers inside. The TS-520 manual is
> > adamant about
> > having a mike with a 50K impedance.
> >
> > Does anyone have any ideas? Help will be much
> > appreciated.
> >
> > John
> > kc0rpw
> >
> >
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2427. S-meter & tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 17:27:19 UTC
From: pjcoombs@frontiernet.net
Topic: 2427 Message: 2427

Hi fellow Kenwood owners,

It seems that from time to time a question of tuning arises, so I thought I would offer the method I have used with good success. It may vary some from the manual, and with Bill's procedure, but the result is the same.

1. Let the rig warm up for 5 minutes or so.

2. SEND/REC to REC, Mode to TUNE, Meter to ALC, center the LOAD and DRIVE controls, CARRIER to minimum, and set the PLATE control to the center of the respective band.

3. SEND/REC to SEND, Bring the CAR control up until the ALC reads about half scale. If there is no movement of ALC, set the CAR at 4 or 5 and then rotate the DRIVE until there is indication of ALC. Once you get some ALC, peak the meter with the DRIVE control.

4. Once the peak ALC is achieved, back off the CAR until the meter is about half scale. Now, still in TUNE and ALC, use the PLATE control to dip the meter. Also dip the meter with the LOAD control. You will find that PLATE and LOAD work together, i.e. setting the LOAD a bit off from maximum dip will cause the PLATE control to reach minimum at a slightly different point. SEND/REC to REC.

5. Mode to CW, Meter to IP, Back down the CAR to 1 or 2. SEND/REC to SEND, Keying the transmitter for a few seconds at a time, adjust the CAR control so that there is about 100 mA on the meter. Check the PLATE tuning, it should be very close. Meter to RF, use SMALL changes of the PLATE and LOAD controls together to obtain maximum meter deflection. Bring the CAR up to the desired output level, or if USB/LSB, return the Meter to ALC and adjust MIC[Processor] for meter deflection within the proper range.

I know this sounds like a lot to do, but it actually goes pretty quickly, and the Plates get tuned with a minimum amount of current.

It is not my intention to pass along bad information, so if you can see an error with this method please post a response.

As for the S-meter, I believe it operates from the AGC voltage, so if the AGC is turned off there should be no S-meter indication. That's how my 820S works.

73, jay kb9wwq

2428. Re: [TS-520_820_530_830] New member TS-520 (with TX problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 11:17:15 UTC
From: almikk
Topic: 2418 Message: 2428

Hi Charles,
I to just got back into redio last fall after being out of it for 50 years in
1953 took my novice test and passed it with no problem had a QRP transmitter
and worked many station CW and then Girls and CARS got in the way and I put
it on the back burner for many years but thought about it many times. I was
incuraged to study and take the test by several hams that would come into
Radio Shack where I worked part time. So I did and I am KE7ALG
Good luck 73's
Al Mikkelsen

--- "Charles Kaross" <ckaross@...> wrote:
> > > > > >
> > Hello everyone,
> > I just joined this group on Friday so let me introduce myself.
> >
> > I have had a long time interest in radio, electronics, SWL etc.
> > This spring I finally got my Tech license (shortly after my 50th
> > birthday) and am hoping to have my General by the end of the year.
> >
> > To motivate me during code practice, I recently purchased a TS-520
> > on eBay and have been listening to it for the past week.
> >
> > My neighbor Bob two doors up has his Extra ticket and I've been
> > looking forward to having him check out the rig using his three-
> > element beam. Just got back from doing so and the apparently the rig
> > has a transmit problem.
> >
> > Using the tune up procedure from the KG6HAF web site, here's what
> > was observed:
> >
> > The idling plate current was 55 ma so we tweaked it up to 60 ma
> > using the bias control.
> >
> > The HV in xmit reads 860V - seems a little high.
> >
> > With the rig in Tune mode and the meter switched to ALC, the meter
> > reads 0 in xmit and the carrier control does not cause the reading
> > to increase.
> >
> > When you key the mic, you can hear the T-R relay actuate - flipping
> > the front panel switch to send does not cause the relay to pull in
> > but I believe this is normal.
> >
> > Checked to see that the back panel screen switch was "On".
> >

> > Hoping that someone can point me in the right direction in getting
> > this sorted out -- this actually seems like a rig that the average
> > guy might have a chance of fixing.
> >
> > Thanks and 73
> > Charles Kaross
> > KE5AVC
> > Garland, TX
> >
> >
> >
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2429. New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 18:48:53 UTC
From: Jack Twilley
Topic: 2429 Message: 2429

I bought a new radio on eBay and it works well. Tunes up nicely on all bands for which I have antennas, and I made 62 contacts during the California QSO Party. I'm looking forward to working on installing new antennas that can handle 160m. I still haven't heard anyone on 10m, but I'm blaming sunspots. Are there any frequencies I should check at any particular times of day to see about activity on this band?

Jack.
--
Jack Twilley
jmt at twilley org

2430. Re: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 19:53:21 UTC
From: Jack Twilley
Topic: 2388 Message: 2430

Bill K0ZL wrote:
> By the way... experiment with turning AGC off, and
> then reducing RF gain on a QSO.. CW probably most
> effective for the illustration... Notice that now, you
> can HEAR THE QSB... agc defeats that little bit of
> natural input that we can learn to enjoy.

Huh. I operate like this normally, because I don't like the way the AGC
makes fading sound. Doesn't everyone do this? :-)

> 73,
>
> Bill

Jack.
--
Jack Twilley
jmt at twilley org

2431. RE: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 20:59:42 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2429 Message: 2431

FWIW, I heard a fair amount of California guys working the contest on 10 meter CW on Saturday afternoon. I was also playing with my "new" 520s that came on Thursday. It was also an Ebay purchase. I heard plenty of QSO party guys on all bands but 160. I am in Chicagoland and I heard the Cali guys loud and clear on 80 through 10...listening with a vertical designed for 20 meters.

>From: Jack Twilley <jmt@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] New TS-520S works well, and a question
>Date: Mon, 04 Oct 2004 11:48:53 -0700
>
>I bought a new radio on eBay and it works well. Tunes up nicely on all
>bands for which I have antennas, and I made 62 contacts during the
>California QSO Party. I'm looking forward to working on installing new
>antennas that can handle 160m. I still haven't heard anyone on 10m, but
>I'm blaming sunspots. Are there any frequencies I should check at any
>particular times of day to see about activity on this band?
>
>Jack.
>--
>Jack Twilley
>jmt at twilley org

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2432. Re: [TS-520_820_530_830] New member TS-520 (with TX problem)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 21:15:55 UTC
From: Bill K0ZL
Topic: 2418 Message: 2432

Glad you are with us again Al!

73,

Bill K0ZL

--- almikk <almikk@...> wrote:

> Hi Charles,
> I to just got back into redio last fall after being
> out of it for 50 years in
> 1953 took my novice test and passed it with no
> problem had a QRP transmitter
> and worked many station CW and then Girls and CARS
> got in the way and I put
> it on the back burner for many years but thought
> about it many times. I was
> incuraged to study and take the test by several hams
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> Radio Shack where I worked part time. So I did and I
> am KE7ALG
> Good luck 73's
> Al Mikkelsen
>
> --- "Charles Kaross" <ckaross@...> wrote:
> > > > > > > >
> > > Hello everyone,
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> > > >
> > > My neighbor Bob two doors up has his Extra
> ticket and I've been
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> > > element beam. Just got back from doing so and
> the apparently the rig
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> > >
> > > Using the tune up procedure from the KG6HAF web
> site, here's what
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> > > The idling plate current was 55 ma so we tweaked
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> > > The HV in xmit reads 860V - seems a little high.
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> cause the reading
> > > to increase.
> > >
> > > When you key the mic, you can hear the T-R relay
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> > > the front panel switch to send does not cause
> the relay to pull in
> > > but I believe this is normal.
> > >
> > > Checked to see that the back panel screen switch
> was "On".
> > >
> > > Hoping that someone can point me in the right
> direction in getting
> > > this sorted out -- this actually seems like a
> rig that the average
> > > guy might have a chance of fixing.
> > >
> > > Thanks and 73
> > > Charles Kaross
> > > KE5AVC
> > > Garland, TX
> > >
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2433. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 21:23:31 UTC
From: Bill K0ZL
Topic: 2429 Message: 2433

28.200, wide bandwidth, listen for the CW beacons.

28.400, middle of fone band, seems like that's a CQ
freq when guys are checking the band.

Also if you here an occasional "ssccchhwwooop", that
would be a composition board heater and usually
indicates a band opening.

b

--- Jack Twilley <jmt@...> wrote:

> I bought a new radio on eBay and it works well.
> Tunes up nicely on all
> bands for which I have antennas, and I made 62
> contacts during the
> California QSO Party. I'm looking forward to
> working on installing new
> antennas that can handle 160m. I still haven't
> heard anyone on 10m, but
> I'm blaming sunspots. Are there any frequencies I
> should check at any
> particular times of day to see about activity on
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>
> Jack.
> --
> Jack Twilley
> jmt at twilley org
>

=====

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2434. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 23:01:28 UTC
From: Jack Twilley
Topic: 2429 Message: 2434

Bill K0ZL wrote:
> 28.200, wide bandwidth, listen for the CW beacons.
>
> 28.400, middle of fone band, seems like that's a CQ
> freq when guys are checking the band.
>
> Also if you here an occasional "ssccchhwwooop", that
> would be a composition board heater and usually
> indicates a band opening.
>
> b

I'll give these freq's a try. What's the best time of day for 10m at
this time of year/cycle?

Jack.
--
Jack Twilley
jmt at twilley org

2435. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-04 23:52:20 UTC
From: Eric Webner
Topic: 2429 Message: 2435

What's a composition board heater?

Eric

Jack Twilley <jmt@...> wrote:
Bill K0ZL wrote:
> 28.200, wide bandwidth, listen for the CW beacons.
>
> 28.400, middle of fone band, seems like that's a CQ
> freq when guys are checking the band.
>
> Also if you here an occasional "ssccchhwwooop", that
> would be a composition board heater and usually
> indicates a band opening.
>
> b

I'll give these freq's a try. What's the best time of day for 10m at
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Jack.
--
Jack Twilley
jmt at twilley org

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[Non-text portions of this message have been removed]

2436. Re: [TS-520_820_530_830] Re: Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 00:06:13 UTC
From: Eric Webner
Topic: 2394 Message: 2436

John,

Years ago, I spent quite a bit of time screwing around with transformers to match my Astatic D-104 to the 50k Kenwood mic input. Met with much distortion, etc.

Finally, I hooked the mike up directly to the radio and wa-la! Beautiful audio! Try it that way first.

(I can't remember the impedance of the crystal element in the D-104, so I don't know if your "swap meet" mike will give different results.)

Eric

almikk62 <almikk@...> wrote:

Bill,
Do you have a Radio Shack part number for this transformer as I need
one also and will a cobra power mic work on a TS-820S?
Thanks! Al KE7ALG

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Rat Shack used to sell those things, blister pack
> transformer, coupla bucks... if they don't have them,
> come back, we will find you one.
>
> b
>
> --- John Shadle <jshadle.geo@y...> wrote:
>
> >
> > I have a TS-520 which came with no microphone. I
> > have a couple of
> > old swap-meet mikes whose plugs fit the TS-520, but
> > they have no
> > matching transformers inside. The TS-520 manual is
> > adamant about
> > having a mike with a 50K impedance.
> >
> > Does anyone have any ideas? Help will be much
> > appreciated.
> >
> > John
> > kc0rpw
> >
> >
> >

> >
> >
> >
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>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2437. RE: [TS-520_820_530_830] 520 Mode confusion - continued

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 00:10:24 UTC
From: Eric Webner
Topic: 2388 Message: 2437

Common practice to run the S-meter off of AGC voltage.

Paul Manuel <k4pdm@...> wrote:

--- Ron Kienzle <ron@...> wrote:
> On my 530, the s-meter doesn't work either when AGC is off. My manual
> doesn't say anything about that so I don't know whether it's supposed to
> turn off or not.

In every rig I have had, the S-meter did not function with AGC off, as it
meters AGC action.
73,
Paul K4PDM

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2438. RE: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 02:57:27 UTC
From: Eric Webner
Topic: 2318 Message: 2438

I've been told that the D-104 (ceramic element) sounds great, though a bit "tinny." Years ago, I bought the Heil HC-4 mike element and installed that in the D-104 head. My good audio got even better!

Eric KA8FAN

You will find that the D-104 cuts the low end off; not
an issue with most SSB rigs running narrow TX filters.
It's also a good thing for DX and contests.

I had a guy switch between a ceramic and dynamic D-104
head on AM on 75 the other day, on a noisy circuit.
The difference was amazing. Total readibility with the
ceramic, muddy on the dynamic.

bill

--- Brent Baum <brent.baum@...> wrote:

> I use an Astatic D-104 Black Eagle on my 520SE. Get
> great received audio reports, but I don't push the
> speech processor very hard.
>
> 73 de K7MEI
>
> -----Original Message-----
> From: KABOONA [mailto:kaboona@...]
> Sent: Tuesday, September 14, 2004 7:59 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: 820s real power
> output
>
>
> Thanks to all who responded. It is good to know this
> rig is working fine. I am having a
> blast, the other night I even got to receive some
> pictures (SSTV) and also some psk31. I
> need to figure out the correct set up so I can
> transmit as well. It is not as simple with this
> rig as with my newer rigs.
> By the way, is anyone using the astatic D104 mike
> with their rig? That is what I have but I
> get the feeling that this mike might not be
> appropriate.
> One more thing, I have my key on order!!
> 73

>
> Jim
> KB1KZI
> --- In TS-520_820_530_830@yahoogroups.com, "KABOONA"
> <kaboona@y...> wrote:
> > Hello all, this weekend I got my general ticket
> and went on to the
> > wonderful world of HF. I
> > played with my 897D for a while and then I decided
> to pull out the
> > 820S I purchased a
> > couple of months ago and give it an initial test.
> I followed the
> > tuning procedure described
> > in the manual. Plate current was as the manual
> said (60ma) When tuning the RF, I
> > initially did not get 2/3
> > scale deflection on the meter's RF mode but was
> able to adjust it
> > using the RF knob on the
> > back of the unit. My question is, when
> transmitting I get about 100W
> > PEP output on SSB
> > using a MFJ SWR/Watt meter. I read the
> specifications in the manual
> > and it says that the
> > power output is 200W PEP. I visited the Rigpix.com
> website and it has
> > this radio listed to
> > 100W. What is the correct figure?
> > By the way, the antenna is a 20m dipole at about
> 18ft high in an
> > inverted V configuration.
> > SWR on the meter is around 1.5. My measurements
> were all made on 20m
> > SSB.
> > regards,
> >
> > Jim
> > KB1KZI
>
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2439. RE: [TS-520_820_530_830] Re: 820s real power output--different mics

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 03:13:32 UTC
From: donii@sympatico.ca
Topic: 2439 Message: 2439

Guys
Ceramic and crystal mics were cheap and all hi-z (50k to 1meg. sometimes)
They had no lows and not linear at all. Very, very tinny but will work
with old rigs.
In those days one would always wish for a 'dynamic' or moving coil
magnetic mike (lower Z)that required a transformer and often a
preamplifier. Same problem with record cartridge pickup units. You know
about 100 years ago audio records were black (not silver) and you were
required to put a needle on the spinning record and 'scratch' it with a
pickup arm to read the analogue encoding! Ceraimc and crystal pickup
cartdriges were cheap while the dynamic ones were 'Hi Fi' but had lower
impedence.
Actually most crystal or ceramic mics have desiable characteristics for
voice communication. Except that they are not made anymore. Now we have
modern mics, dynamic and condensor, with much better all around
frequency response.
So maybe in this case: Newer is not always better.
73's
Peter
VE2FAR

2440. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 12:50:07 UTC
From: Bill K0ZL
Topic: 2429 Message: 2440

Late mornings, afternoons through sunset.
b

--- Jack Twilley <jmt@...> wrote:

> Bill K0ZL wrote:
> > 28.200, wide bandwidth, listen for the CW beacons.
> >
> > 28.400, middle of fone band, seems like that's a
> CQ
> > freq when guys are checking the band.
> >
> > Also if you here an occasional "ssccchhwwooop",
> that
> > would be a composition board heater and usually
> > indicates a band opening.
> >
> > b
>
> I'll give these freq's a try. What's the best time
> of day for 10m at
> this time of year/cycle?
>
> Jack.
> --
> Jack Twilley
> jmt at twilley org
>

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2441. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 12:51:59 UTC
From: Bill K0ZL
Topic: 2429 Message: 2441

That cheap "plywood" used in construction; the wood
chips are glued together, then pressed in an
RF-powered heater, runs right from about 25 megs up
through 6M when they are operating.

b

--- Eric Webner <ka8fan@...> wrote:

> What's a composition board heater?
>
> Eric
>
>
> Jack Twilley <jmt@...> wrote:
> Bill K0ZL wrote:
> > 28.200, wide bandwidth, listen for the CW beacons.
> >
> > 28.400, middle of fone band, seems like that's a
> CQ
> > freq when guys are checking the band.
> >
> > Also if you here an occasional "ssccchhwwooop",
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> > would be a composition board heater and usually
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> > b
>
> I'll give these freq's a try. What's the best time
> of day for 10m at
> this time of year/cycle?
>
> Jack.
> --
> Jack Twilley
> jmt at twilley org
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2442. dial lamps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 14:27:00 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2442 Message: 2442

In a 520 series rig, does anyone know how you get at the bulbs that illuminate the frequency dial? There seems to be no easy way to get at them. Is there a trick or prescribed method for accessing these things? They are tucked under the mounting bracked for the VFO assembly. It appears to me that you have to either lift out the VFO or pull the face off the radio. There must be an easier way. Does anyone know the sercret? Please advise.

Thanks,

Sean WA2LKV

P.S. I am still looking for a CW filter if anyone has one to sell.

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2443. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 15:00:00 UTC
From: Eric Webner
Topic: 2429 Message: 2443

Hi Bill,

"Plywood," as in OSB and similar products. Correct?

Eric

Bill K0ZL <coorsbill@...> wrote:
That cheap "plywood" used in construction; the wood
chips are glued together, then pressed in an
RF-powered heater, runs right from about 25 megs up
through 6M when they are operating.

b

--- Eric Webner <ka8fan@...> wrote:

> What's a composition board heater?
>
> Eric
>
>
> Jack Twilley <jmt@...> wrote:
> Bill K0ZL wrote:
> > 28.200, wide bandwidth, listen for the CW beacons.
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> I'll give these freq's a try. What's the best time
> of day for 10m at
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> Jack.
> --
> Jack Twilley
> jmt at twilley org
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2444. RE: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 20:12:38 UTC
From: Bill K0ZL
Topic: 2318 Message: 2444

The D-104 is commonly considered best for AM
operation, possibly because most of the vintage AM
rigs have so much high-end rolloff (except my Valiant,
and many others that you can hear on the air these
days) that the '104 compensated for that.

The 10DA (bullet shape) head was oft recommended for
SSB usage.

The heil elements are great, if you can get them.

bill

--- Eric Webner <ka8fan@...> wrote:

> I've been told that the D-104 (ceramic element)
> sounds great, though a bit "tinny." Years ago, I
> bought the Heil HC-4 mike element and installed that
> in the D-104 head. My good audio got even better!
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> Eric KA8FAN
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>
> You will find that the D-104 cuts the low end off;
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> I had a guy switch between a ceramic and dynamic
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> head on AM on 75 the other day, on a noisy circuit.
> The difference was amazing. Total readibility with
> the
> ceramic, muddy on the dynamic.
>
> bill
>
> --- Brent Baum <brent.baum@...> wrote:
>
> > I use an Astatic D-104 Black Eagle on my 520SE.
> Get
> > great received audio reports, but I don't push the
> > speech processor very hard.
> >

> > 73 de K7MEI
> >
> > -----Original Message-----
> > From: KABOONA [mailto:kaboona@...]
> > Sent: Tuesday, September 14, 2004 7:59 PM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: [TS-520_820_530_830] Re: 820s real power
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> >
> >
> > Thanks to all who responded. It is good to know
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> > One more thing, I have my key on order!!
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> >
> > Jim
> > KB1KZI
> > --- In TS-520_820_530_830@yahoogroups.com,
> "KABOONA"
> > <kaboona@y...> wrote:
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> > I followed the
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> > > back of the unit. My question is, when
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> > > using a MFJ SWR/Watt meter. I read the
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> > > 100W. What is the correct figure?
> > > By the way, the antenna is a 20m dipole at about
> > 18ft high in an
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> > > regards,
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> > > Jim
> > > KB1KZI
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2445. Re: [TS-520_820_530_830] dial lamps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 20:20:02 UTC
From: Bill K0ZL
Topic: 2442 Message: 2445

Easiest way is to remove the VFO, which is tricky.
Haven't done one in a while.

the 530 and 830 vfo comes out thru the front of the
rig!

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> In a 520 series rig, does anyone know how you get at
> the bulbs that
> illuminate the frequency dial? There seems to be no
> easy way to get at them.
> Is there a trick or prescribed method for accessing
> these things? They are
> tucked under the mounting bracked for the VFO
> assembly. It appears to me
> that you have to either lift out the VFO or pull the
> face off the radio.
> There must be an easier way. Does anyone know the
> sercret? Please advise.
>
> Thanks,
>
> Sean WA2LKV
>
> P.S. I am still looking for a CW filter if anyone
> has one to sell.
>
>

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http://messenger.msn.click-url.com/go/onm00200471ave/direct/01/
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=====

"If in doubt, MODIFY" --k0zl

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2446. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 20:23:07 UTC
From: Bill K0ZL
Topic: 2429 Message: 2446

Don't know what OSB is, but if it's that chippy-lookin
stuff they make houses out of these days, that's it.

There are other RF heated products out there, but the
plywood presses are the most prevalent and most
powerful I think. 40-60kW...

b

--- Eric Webner <ka8fan@...> wrote:

> Hi Bill,
>
> "Plywood," as in OSB and similar products. Correct?
>
> Eric
>
>
> Bill K0ZL <coorsbill@...> wrote:
> That cheap "plywood" used in construction; the wood
> chips are glued together, then pressed in an
> RF-powered heater, runs right from about 25 megs up
> through 6M when they are operating.
>
> b
>
> --- Eric Webner <ka8fan@...> wrote:
>
> > What's a composition board heater?
> >
> > Eric
> >
> >
> > Jack Twilley <jmt@...> wrote:
> > Bill K0ZL wrote:
> > > > 28.200, wide bandwidth, listen for the CW
> beacons.
> > > >
> > > > 28.400, middle of fone band, seems like that's a
> > CQ
> > > > freq when guys are checking the band.
> > > >
> > > > Also if you here an occasional "ssccchhwwooop",
> > that
> > > > would be a composition board heater and usually
> > > > indicates a band opening.

> > >
> > > b
> >
> > I'll give these freq's a try. What's the best
> time
> > of day for 10m at
> > this time of year/cycle?
> >
> > Jack.
> > --
> > Jack Twilley
> > jmt at twilley org
> >
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> >
> > ---------------------------------
> > Yahoo! Groups Links
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> > To visit your group on the web, go to:
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> to:
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> >
> >
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> >
> > [Non-text portions of this message have been
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>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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>
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2447. Re: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 21:29:34 UTC
From: Keith V
Topic: 2318 Message: 2447

Bob Heil has his elements back on the market again...saw it recently on his website.

Van

Bill wrote:

<snip>

> The heil elements are great, if you can get them.
>
> bill
>
> --- Eric Webner <ka8fan@...> wrote:
>
>> I've been told that the D-104 (ceramic element)
>> sounds great, though a bit "tinny." Years ago, I
>> bought the Heil HC-4 mike element and installed that
>> in the D-104 head. My good audio got even better!
>>
>> Eric KA8FAN
>>
>>
>>
>> You will find that the D-104 cuts the low end off;
>> not
>> an issue with most SSB rigs running narrow TX
>> filters.
>> It's also a good thing for DX and contests.
>>
>> I had a guy switch between a ceramic and dynamic
>> D-104
>> head on AM on 75 the other day, on a noisy circuit.
>> The difference was amazing. Total readibility with
>> the
>> ceramic, muddy on the dynamic.
>>
>> bill
>>
>> --- Brent Baum <brent.baum@...> wrote:
>>
>> > I use an Astatic D-104 Black Eagle on my 520SE.
>> Get
>> > great received audio reports, but I don't push the
>> > speech processor very hard.
>> >

>> > 73 de K7MEI
>> >
>> > -----Original Message-----
>> > From: KABOONA [mailto:kaboona@...]
>> > Sent: Tuesday, September 14, 2004 7:59 PM
>> > To: TS-520_820_530_830@yahoogroups.com
>> > Subject: [TS-520_820_530_830] Re: 820s real power
>> > output
>> >
>> >
>> > Thanks to all who responded. It is good to know
>> this
>> > rig is working fine. I am having a
>> > blast, the other night I even got to receive some
>> > pictures (SSTV) and also some psk31. I
>> > need to figure out the correct set up so I can
>> > transmit as well. It is not as simple with this
>> > rig as with my newer rigs.
>> > By the way, is anyone using the astatic D104 mike
>> > with their rig? That is what I have but I
>> > get the feeling that this mike might not be
>> > appropriate.
>> > One more thing, I have my key on order!!
>> > 73
>> >
>> > Jim
>> > KB1KZI
>> > --- In TS-520_820_530_830@yahoogroups.com,
>> "KABOONA"
>> > <kaboona@y...> wrote:
>> > > Hello all, this weekend I got my general ticket
>> > and went on to the
>> > > wonderful world of HF. I
>> > > played with my 897D for a while and then I
>> decided
>> > to pull out the
>> > > 820S I purchased a
>> > > couple of months ago and give it an initial
>> test.
>> > I followed the
>> > > tuning procedure described
>> > > in the manual. Plate current was as the manual
>> > said (60ma) When tuning the RF, I
>> > > initially did not get 2/3
>> > > scale deflection on the meter's RF mode but was
>> > able to adjust it
>> > > using the RF knob on the
>> > > back of the unit. My question is, when
>> > transmitting I get about 100W
>> > > PEP output on SSB

>> > > using a MFJ SWR/Watt meter. I read the
>> > specifications in the manual
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>> > > power output is 200W PEP. I visited the
>> Rigpix.com
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>> > > this radio listed to
>> > > 100W. What is the correct figure?
>> > > By the way, the antenna is a 20m dipole at about
>> > 18ft high in an
>> > > inverted V configuration.
>> > > SWR on the meter is around 1.5. My measurements
>> > were all made on 20m
>> > > SSB.
>> > > regards,
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>> > > Jim
>> > > KB1KZI

2448. Re: [TS-520_820_530_830] Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-05 23:14:59 UTC
From: Bill K0ZL
Topic: 2318 Message: 2448

GREAT!

That is very good news.

b

--- Keith V <kavan@...> wrote:

> Bob Heil has his elements back on the market
> again...saw it recently on his
> website.
>
> Van
>
> Bill wrote:
>
> <snip>
>
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> >
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> >> Eric KA8FAN
> >>
> >>
> >>
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> >> ceramic, muddy on the dynamic.
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> >> bill
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> >> > 73 de K7MEI
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> >> > From: KABOONA [mailto:kaboona@...]
> >> > Sent: Tuesday, September 14, 2004 7:59 PM
> >> > To: TS-520_820_530_830@yahoogroups.com
> >> > Subject: [TS-520_820_530_830] Re: 820s real
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> >> >
> >> > Jim
> >> > KB1KZI
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>
>

=====

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http://promotions.yahoo.com/new_mail

2449. Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-06 00:32:54 UTC
From: pchapman9202003
Topic: 2318 Message: 2449

I think what Bill alluded to is that Heil no longer allows the sale of their elements as a single unit. The thought factor goes two ways from my standpoint, but its Bob's company, not mine. Bob has the perogitive to do whatever is best for his best business interest, as well he should have. Many good head hams were buying the elements and putting them into multiple configurations and have from what I read very happy. I am also confident that many hams without a lot of knowledge were buying the elements and doing off the wall home-brew stuff that did not work. Then they blamed Bob and wanted tech support and he got fed up with it. Hey I got this Heil cartridge I want to put in this 1973 epoxy laced mic from a Cobra CB unit that I got a flea market. Smells like it was in a fire but.....

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> The D-104 is commonly considered best for AM
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> and many others that you can hear on the air these
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> >
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> > bill
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> > >
> > > 73 de K7MEI
> > >
> > > -----Original Message-----
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> > > Sent: Tuesday, September 14, 2004 7:59 PM
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Subject: [TS-520_820_530_830] Re: 820s real power
> > > output
> > >
> > >
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> > =====
> >
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> >
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> _____
> Do you Yahoo!?
> Yahoo! Mail - 50x more storage than other providers!
> http://promotions.yahoo.com/new_mail

2450. Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-06 00:41:29 UTC
From: pchapman9202003
Topic: 2318 Message: 2450

I spoke too soon. Glad to hear that the elements are available again. Nevertheless, folks if you know what you are doing with them, rock and roll and go. If you do not, please use the support boards to get help. There is a lot of info out there to support experimentation with mic elements, in particular Heil, without putting stress on the manufacturer. Like bugging your final tube factory for an amp you haven't designed yet.

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003" <p_chap@b...> wrote:
>
> I think what Bill alluded to is that Heil no longer allows the sale
> of their elements as a single unit. The thought factor goes two ways
> from my standpoint, but its Bob's company, not mine. Bob has the
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> > > >
> > > > Jim
> > > > KB1KZI
> > > > --- In TS-520_820_530_830@yahoogroups.com,
> > > "KABOONA"
> > > > <kaboona@y...> wrote:
> > > > > Hello all, this weekend I got my general ticket
> > > > and went on to the
> > > > > wonderful world of HF. I
> > > > > played with my 897D for a while and then I
> > > decided
> > > > to pull out the
> > > > > 820S I purchased a
> > > > > couple of months ago and give it an initial
> > > test.
> > > > I followed the
> > > > > tuning procedure described
> > > > > in the manual. Plate current was as the manual
> > > > said (60ma) When tuning the RF, I
> > > > > initially did not get 2/3
> > > > > scale deflection on the meter's RF mode but was
> > > > able to adjust it
> > > > > using the RF knob on the
> > > > > back of the unit. My question is, when
> > > > transmitting I get about 100W
> > > > > PEP output on SSB
> > > > > using a MFJ SWR/Watt meter. I read the
> > > > specifications in the manual
> > > > > and it says that the
> > > > > power output is 200W PEP. I visited the
> > > Rigpix.com
> > > > website and it has
> > > > > this radio listed to
> > > > > 100W. What is the correct figure?
> > > > > By the way, the antenna is a 20m dipole at about
> > > > 18ft high in an
> > > > > inverted V configuration.
> > > > > SWR on the meter is around 1.5. My measurements
> > > > were all made on 20m
> > > > > SSB.
> > > > > regards,
> > > > >
> > > > > Jim

> > > > > KB1KZI
> > > >
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76/D=groups/S=1705063108:HM/EXP=1095299947/A=2128215/R=0/SIG=10se96mf
> 6/*http://companion.yahoo.com>
> > > > click here
> > > >
> > > >
> > >
> > <http://us.adserver.yahoo.com/l?
>
M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=931087
> 205>
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> > > > [Non-text portions of this message have been
> > > > removed]
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> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website www.amateur-repairs.com
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> >
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2451. Re: [TS-520_820_530_830] New TS-520S works well, and a question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-06 02:23:18 UTC
From: Eric Webner
Topic: 2429 Message: 2451

And we're worried about RFI from BPL!!!!!! (Broadband over Power Lines)

Yeah, OSB (Oriented Strand Board) is the chippy stuff. Better than the cheap black stuff that you can put your fist through, that they use to side some houses. But I digress. . . .

E

Bill K0ZL <coorsbill@...> wrote:
Don't know what OSB is, but if it's that chippy-lookin
stuff they make houses out of these days, that's it.

There are other RF heated products out there, but the
plywood presses are the most prevalent and most
powerful I think. 40-60kW...

b

--- Eric Webner <ka8fan@...> wrote:

> Hi Bill,
>
> "Plywood," as in OSB and similar products. Correct?
>
> Eric
>
>
> Bill K0ZL <coorsbill@...> wrote:
> That cheap "plywood" used in construction; the wood
> chips are glued together, then pressed in an
> RF-powered heater, runs right from about 25 megs up
> through 6M when they are operating.
>
> b
>
> --- Eric Webner <ka8fan@...> wrote:
>
> > What's a composition board heater?
> >
> > Eric
> >
> >
> > Jack Twilley <jmt@...> wrote:
> > Bill K0ZL wrote:
> > > > 28.200, wide bandwidth, listen for the CW
> beacons.
> > > >
> > > > 28.400, middle of fone band, seems like that's a

> > CQ
> > > freq when guys are checking the band.
> > >
> > > Also if you here an occasional "ssccchhwwooop",
> > that
> > > would be a composition board heater and usually
> > > indicates a band opening.
> > >
> > > b
> >
> > I'll give these freq's a try. What's the best
> time
> > of day for 10m at
> > this time of year/cycle?
> >
> > Jack.
> > --
> > Jack Twilley
> > jmt at twilley org
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"If in doubt, MODIFY" --k0zl

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2452. Re: 820s real power output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-07 02:12:04 UTC
From: KABOONA
Topic: 2318 Message: 2452

Wow, this topic (although a bit changed) is still alive!
Well, I found myself a MC-50 microphone to acompany my TS-820S for $45.00. So far based on the reports I am getting it was well worth it. It is in pristine condition. Now on to find the AT-200 tuner for the rig.

regards,
Jim
KB1KZI

2453. TV-506 to TS-820 connections?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 04:13:53 UTC
From: emporiaars
Topic: 2453 Message: 2453

Hello group, I recieved the Tv-506 6 meter transverter I purchesed, but I have no connecting cables. I could use some help on connecting it to my TS-820. The connectors are numbered 1-12 on each unit. Found the transverter schematic but not one for the 820. Lighting not to good, eyes aren't either, and the temper grows shorter by the day. I don't want to damage either unit and could use help from someone out there with the cable and an ohm meter, check transverter pin # to 820 pin #. Or any other help I can get. I'd like to get it up and runing without letting the smoke out of anything. Thanks in advance I hope. Mike

2454. RE: [TS-520_820_530_830] TV-506 to TS-820 connections?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 14:36:47 UTC
From: Brent Baum
Topic: 2453 Message: 2454

If the 820 is the same as the 520 then it's a straight through connection, pin 1 to pin 1, etc. You'll notice from your schematic that all 12 lines are not used and that's where you have to be careful an not cross wires. By the way if you find a good source for the plugs and sockets please let me know. I also need to build a cable for connecting my 520SE to a TV-506. But that's a project which requires some slight modification to the 520SE.

Good luck, 73 de K7MEI, Brent

-----Original Message-----
From: emporiaars [mailto:kc0nfg@...]
Sent: Thursday, October 07, 2004 10:14 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TV-506 to TS-820 connections?

Hello group, I recieved the Tv-506 6 meter transverter I purchesed, but I have no connecting cables. I could use some help on connecting it to my TS-820. The connectors are numbered 1-12 on each unit. Found the transverter schematic but not one for the 820. Lighting not to good, eyes aren't either, and the temper grows shorter by the day. I don't want to damage either unit and could use help from someone out there with the cable and an ohm meter, check transverter pin # to 820 pin #. Or any other help I can get. I'd like to get it up and runing without letting the smoke out of anything. Thanks in advance I hope. Mike

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2455. Re: TV-506 to TS-820 connections?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 16:57:47 UTC
From: pchapman9202003
Topic: 2453 Message: 2455

If you have to build male to female connectors, just remember that the pinouts may appear opposite on assembly so that they are correct when assembled. I.E. db9, db15, db 25 type stuff anyway. Not familiar with doing the transverter so your milage may vary. Just exersize caution.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> If the 820 is the same as the 520 then it's a straight through connection, pin 1 to pin 1, etc. You'll notice from your schematic that all 12 lines are not used and that's where you have to be careful an not cross wires. By the way if you find a good source for the plugs and sockets please let me know. I also need to build a cable for connecting my 520SE to a TV-506. But that's a project which requires some slight modification to the 520SE.
>
> Good luck, 73 de K7MEI, Brent
>
> -----Original Message-----
> From: emporiaars [mailto:kc0nfg@b...]
> Sent: Thursday, October 07, 2004 10:14 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TV-506 to TS-820 connections?
>
>
>
> Hello group, I recieved the Tv-506 6 meter transverter I purchesed,
> but I have no connecting cables. I could use some help on connecting
> it to my TS-820. The connectors are numbered 1-12 on each unit. Found
> the transverter schematic but not one for the 820. Lighting not to
> good, eyes aren't either, and the temper grows shorter by the day. I
> don't want to damage either unit and could use help from someone out
> there with the cable and an ohm meter, check transverter pin # to 820
> pin #. Or any other help I can get. I'd like to get it up and runing
> without letting the smoke out of anything. Thanks in advance I
> hope. Mike
>
>

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2456. Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 17:37:40 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2456 Message: 2456

I finally got my 520s on the air. Took a while but after 20 plus years and for the first time in my life, I put my own station on the air. The first time I was a ham I had my very own Elmer in my dad and always used his station, last going on the air when I was 16. I am now 37 and what an accomplishment it feels like to put my own signal on the air. Funny, I have a wife, two kids and a nice house but until I tuned up that 520 for the first time myself and made a QSO, I finally feel like a grown up. Do your own phsycological analysis.

I am on 40 meters CW in the evenings, mostly in the Novice section until my ear, hand, keyer coordination returns... Plus, I still haven't found a mic.

Questions/problems.

1. The rig seems to initially do a solid 110-ish watts forward but I have noticed that by the end of both contacts that I have made so far, it seems that the output drops to about 70 watts. I can dial up the carrier a little more to up the power but so far have not transmitted enough to see if the power stays up. Either way, I would think this should not be necessary. Are the finals on the way out???

2. The radio seems to have no life on 20 meters. Pretty much no meter deflection. The manual says the radio probably needs alignment? Seems easy enough. I have not opened the radio up yet to look...what kind of tool does this require? Any hints on getting this alignment right and not screwing up anything else in the process?

Thanks once again,

Sean WA2LKV

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2457. RE: [TS-520_820_530_830] Re: TV-506 to TS-820 connections?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 17:38:25 UTC
From: Brent Baum
Topic: 2453 Message: 2457

The connectors are the Hirose 1300 series (NTT), 12 pin, male, and the cable is a male-to-male mating to the female connectors on the radio and transverter. On the 520 series radios it's a straight through connection, pin 1 to pin 1, 2 to 2, etc. Kenwood actually uses only 9 or 10 of the pins, so caution here not to cross lines (like I did with my VFO connectors, really made the relays chatter for a moment). Also the Kenwood schematics look from inside the transverter or radio "outward" toward the cable, as if you were the electron looking for the correct pin to get out and race down the cable. So the physical arrangement of the connector may at first appear to be set up backwards to the schematic.

73 de K7MEI, Brent

-----Original Message-----
From: pchapman9202003 [mailto:p_chap@...]
Sent: Friday, October 08, 2004 10:58 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TV-506 to TS-820 connections?

If you have to build male to female connectors, just remember that the pinouts may appear opposite on assembly so that they are correct when assembled. I.E. db9, db15, db 25 type stuff anyway. Not familiar with doing the transverter so your milage may vary. Just exersize caution.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum" <brent.baum@s...> wrote:
> If the 820 is the same as the 520 then it's a straight through connection, pin 1 to pin 1, etc. You'll notice from your schematic that all 12 lines are not used and that's where you have to be careful an not cross wires. By the way if you find a good source for the plugs and sockets please let me know. I also need to build a cable for connecting my 520SE to a TV-506. But that's a project which requires some slight modification to the 520SE.
>
> Good luck, 73 de K7MEI, Brent
>
> -----Original Message-----
> From: emporiaars [mailto:kc0nfg@b...]
> Sent: Thursday, October 07, 2004 10:14 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TV-506 to TS-820 connections?
>
>
>
> Hello group, I recieved the Tv-506 6 meter transverter I purchesed,

> but I have no connecting cables. I could use some help on
connecting
> it to my TS-820. The connectors are numbered 1-12 on each unit.
Found
> the transverter schematic but not one for the 820. Lighting not to
> good, eyes aren't either, and the temper grows shorter by the day.
I
> don't want to damage either unit and could use help from someone
out
> there with the cable and an ohm meter, check transverter pin # to
820
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2458. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 22:10:31 UTC
From: Eric Webner
Topic: 2456 Message: 2458

Hi Sean,

I'll take a stab at this. First of all, congratulations on getting your feet wet again. I am a little jealous because I am not quite yet able to transmit yet, after having moved from Ohio to North Carolina. Got the antenna, got the receiver, transmitter doesn't work, my TS-520 is too big for the small table we call a hamshack. . . .

But I digress.

Bill is certainly the expert on all this, but it does sound like the finals may be getting a bit "soft." Does your plate current Ip remain the same, or does it drop, also? Does it tune up well into your antenna?

Regarding twenty meters, I would ask if you are able to get any drive on that band (ALC) or just no plate current (Ip)? Does it receive on 20? I worked on a friend's radio where it didn't do anything on 80 and 15. Bill suggested that the oscillator crystals quit working, but to replace the oscillator transistor first to see if the circuit "wakes up." The transistor, of course, is a bit cheaper than a crystal.

Hope this helps you out. Good luck, and have fun!

73,

Eric KA8FAN

"Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@...> wrote:

I finally got my 520s on the air. Took a while but after 20 plus years and for the first time in my life, I put my own station on the air. The first time I was a ham I had my very own Elmer in my dad and always used his station, last going on the air when I was 16. I am now 37 and what an accomplishment it feels like to put my own signal on the air. Funny, I have a wife, two kids and a nice house but until I tuned up that 520 for the first time myself and made a QSO, I finally feel like a grown up. Do your own phsycological analysis.

I am on 40 meters CW in the evenings, mostly in the Novice section until my ear, hand, keyer coordination returns... Plus, I still haven't found a mic.

Questions/problems.

1. The rig seems to initially do a solid 110-ish watts forward but I have noticed that by the end of both contacts that I have made so far, it seems that the output drops to about 70 watts. I can dial up the carrier a little more to up the power but so far have not transmitted enough to see if the power stays up. Either way, I would think this should not be necessary. Are the finals on the way out???

2. The radio seems to have no life on 20 meters. Pretty much no meter deflection. The manual says the radio probably needs alignment? Seems easy enough. I have not opened the radio up yet to look...what kind of tool does this require? Any hints on getting this alignment right and not screwing up anything else in the process?

Thanks once again,

Sean WA2LKV

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2459. RE: [TS-520_820_530_830] Re: TV-506 to TS-820 connections?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-08 22:30:45 UTC
From: David Williams
Topic: 2453 Message: 2459

If it helps here is the pin descriptions from my 820S Manual:

Pin Description
1 ALC
2 Occupied as Terminal
3 +210 VDC
4 No connection
5 -100 VDC
6 Transverter In
7 Transverter In
8 Normally closed relay contact
9 Ground
10 +210 VDC
11 No connection
12 Ground

David

-----Original Message-----
From: Brent Baum [mailto:brent.baum@...]
Sent: Friday, October 08, 2004 1:38 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] Re: TV-506 to TS-820 connections?

The connectors are the Hirose 1300 series (NTT), 12 pin, male, and the
cable is a male-to-male mating to the female connectors on the radio and
transverter. On the 520 series radios it's a straight through connection,
pin 1 to pin 1, 2 to 2, etc. Kenwood actually uses only 9 or 10 of the pins,
so caution here not to cross lines (like I did with my VFO connectors,
really made the relays chatter for a moment). Also the Kenwood schematics
look from inside the transverter or radio "outward" toward the cable, as if
you were the electron looking for the correct pin to get out and race down
the cable. So the physical arrangement of the connector may at first appear
to be set up backwards to the schematic.

73 de K7MEI, Brent

-----Original Message-----
From: pchapman9202003 [mailto:p_chap@...]
Sent: Friday, October 08, 2004 10:58 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TV-506 to TS-820 connections?

If you have to build male to female connectors, just remember that
the pinouts may appear opposite on assembly so that they are correct
when assembled. I.E. db9, db15, db 25 type stuff anyway. Not
familiar with doing the transverter so your milage may vary. Just

exersize caution.

--- In TS-520_820_530_830@yahoogroups.com, "Brent Baum"
<brent.baum@s...> wrote:
> If the 820 is the same as the 520 then it's a straight through
connection, pin 1 to pin 1, etc. You'll notice from your schematic
that all 12 lines are not used and that's where you have to be
careful an not cross wires. By the way if you find a good source for
the plugs and sockets please let me know. I also need to build a
cable for connecting my 520SE to a TV-506. But that's a project
which requires some slight modification to the 520SE.
>
> Good luck, 73 de K7MEI, Brent
>
> -----Original Message-----
> From: emporiaars [mailto:kc0nfg@b...]
> Sent: Thursday, October 07, 2004 10:14 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TV-506 to TS-820 connections?
>
>
>
> Hello group, I recieved the Tv-506 6 meter transverter I
purchesed,
> but I have no connecting cables. I could use some help on
connecting
> it to my TS-820. The connectors are numbered 1-12 on each unit.
Found
> the transverter schematic but not one for the 820. Lighting not to
> good, eyes aren't either, and the temper grows shorter by the day.
I
> don't want to damage either unit and could use help from someone
out
> there with the cable and an ohm meter, check transverter pin # to
820
> pin #. Or any other help I can get. I'd like to get it up and
runing
> without letting the smoke out of anything. Thanks in advance I
> hope. Mike
>
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2460. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 02:04:26 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2456 Message: 2460

This will have to be continued...STUPID ME!!! I had the rig tuned on 40 and when I went to tune it on 20 I had the steps messed up. I had it in CW mode and not tune mode. Of course nothing at all was happening in CW mode because I didn't have the key down. DOH! So it appears to be actually working on 20. I just re-configured my antenna before dinner and a movie. I was hearing a lot more but didn't get to try tuning it up. I am on my way to the basement to try again. If there is anything left of 20 I will try. If not I will check the things you mention on 40.

Is there a danger to soft tubes? I can live for a while with less output for a while.

Thanks

Sean

>From: Eric Webner <ka8fan@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Finals toast?
>Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
>
>
>Hi Sean,
>
>I'll take a stab at this. First of all, congratulations on getting your
>feet wet again. I am a little jealous because I am not quite yet able to
>transmit yet, after having moved from Ohio to North Carolina. Got the
>antenna, got the receiver, transmitter doesn't work, my TS-520 is too big
>for the small table we call a hamshack. . . .
>
>But I digress.
>
>Bill is certainly the expert on all this, but it does sound like the finals
>may be getting a bit "soft." Does your plate current Ip remain the same, or
>does it drop, also? Does it tune up well into your antenna?
>
>Regarding twenty meters, I would ask if you are able to get any drive on
>that band (ALC) or just no plate current (Ip)? Does it receive on 20? I
>worked on a friend's radio where it didn't do anything on 80 and 15. Bill
>suggested that the oscillator crystals quit working, but to replace the
>oscillator transistor first to see if the circuit "wakes up." The
>transistor, of course, is a bit cheaper than a crystal.
>
>Hope this helps you out. Good luck, and have fun!
>

>73,
>
>Eric KA8FAN
>
>
>"Sean.....He's the cat that won't cop out even when there's danger all
>about....." <seanfried@...> wrote:
>
>I finally got my 520s on the air. Took a while but after 20 plus years and
>for the first time in my life, I put my own station on the air. The first
>time I was a ham I had my very own Elmer in my dad and always used his
>station, last going on the air when I was 16. I am now 37 and what an
>accomplishment it feels like to put my own signal on the air. Funny, I have
>a wife, two kids and a nice house but until I tuned up that 520 for the
>first time myself and made a QSO, I finally feel like a grown up. Do your
>own phsycological analysis.
>
>I am on 40 meters CW in the evenings, mostly in the Novice section until my
>ear, hand, keyer coordination returns... Plus, I still haven't found a mic.
>
>Questions/problems.
>
>1. The rig seems to initially do a solid 110-ish watts forward but I have
>noticed that by the end of both contacts that I have made so far, it seems
>that the output drops to about 70 watts. I can dial up the carrier a little
>more to up the power but so far have not transmitted enough to see if the
>power stays up. Either way, I would think this should not be necessary. Are
>the finals on the way out???
>
>2. The radio seems to have no life on 20 meters. Pretty much no meter
>deflection. The manual says the radio probably needs alignment? Seems easy
>enough. I have not opened the radio up yet to look...what kind of tool does
>this require? Any hints on getting this alignment right and not screwing up
>anything else in the process?
>
>Thanks once again,
>
>Sean WA2LKV
>
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2461. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 02:56:39 UTC
From: Eric Webner
Topic: 2456 Message: 2461

Homer's infamous words. . . . DOH!

Good luck on it. Follow the steps carefully. While in TUN mode, get your drive and carrier (outer control) adjusted with meter in ALC mode, then adjust plate control with meter in Ip mode. Transmitting is controlled by the SEND switch. After you turn SEND back off, switch to CW mode, meter to RF mode, then flip SEND switch and while holding your key down, adjust PLATE and LOAD for max RF. Alternately tweak each of them. Switch meter back to Ip and adjust PLATE for about 220 mA (you might have to back off on LOAD a bit). Turn SEND back off, and you're ready to go.

Tuning up seems like a lot of work, but if you hook up to a dummy load, you can practice until you can do it in your sleep. Another thing to check before you get started is the bias current on the finals: while in USB or LSB mode, meter in plate (Ip) current, flip the SEND switch and make sure you get 60 mA. If not, the adjustment is on the left side of the 520. You will note that in CW mode, the idling current will go to about 70 mA.

Let us know if that makes a difference in the power output dropping problem, and note whether it happens on all bands. I don't believe that there is a danger if they are "soft."

73,

Eric KA8FAN

"Sean.....He's the cat that won't cop out even when there's danger all about....."
<seanfried@...> wrote:
This will have to be continued...STUPID ME!!! I had the rig tuned on 40 and
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Thanks

Sean

>From: Eric Webner <ka8fan@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Finals toast?
>Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
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>_____
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2462. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 03:28:57 UTC
From: G Bay
Topic: 2456 Message: 2462

Your well on your way to being a "real" ham.

If you don't make mistakes your not trying hard enough!!!

73

Gary WB3DSJ

"Sean.....He's the cat that won't cop out even when there's danger all about....."
<seanfried@hotmail.com> wrote:

This will have to be continued...STUPID ME!!! I had the rig tuned on 40 and
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Thanks

Sean

>From: Eric Webner
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Finals toast?
>Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
>
>
>Hi Sean,
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>
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2463. Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 06:08:37 UTC
From: pchapman9202003
Topic: 2456 Message: 2463

Do not forget that you can get falloff in your driver, that would embarras a good set of finals

. So do not jump of of the bridge, yet.

That is usually a chep quick fic. Might as well get them now, before they are more expenwive as colletions etc

2464. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 12:13:24 UTC
From: Bill K0ZL
Topic: 2456 Message: 2464

I agree on the transistor change first in any osc ckt
that doesn't work. Has worked in about 80 percent of
my "dead osc" issues. Another 10 percent were the
capacitors in the voltage divider at the base (grid)
of the oscillator device. The last 10 percent were bad
crystals.

b

--- Eric Webner <ka8fan@...> wrote:

>
> Hi Sean,
>
> I'll take a stab at this. First of all,
> congratulations on getting your feet wet again. I am
> a little jealous because I am not quite yet able to
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> 73,
>
> Eric KA8FAN
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> and always used his
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> accomplishment it feels like to put my own signal on
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> right and not screwing up
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> Thanks once again,
>
> Sean WA2LKV
>
>

> Don?t just search. Find. Check out the new MSN
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>
http://search.msn.click-url.com/go/onm00200636ave/direct/01/
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> Yahoo! Groups Links
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> ---
> Do you Yahoo!?
> Y! Messenger - Communicate in real time. Download
> now.
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>
> ------------------------ Yahoo! Groups Sponsor
> ---------------------~-->
> Make a clean sweep of pop-up ads. Yahoo! Companion
> Toolbar.
> Now with Pop-Up Blocker. Get it for free!
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http://us.click.yahoo.com/L5YrjA/eSIIAA/yQLSAA/ELTolB/TM
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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2465. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 12:17:05 UTC
From: Bill K0ZL
Topic: 2456 Message: 2465

Soft finals can run for years with short tune-ups...
don't stay on them too long, dip quickly...

I had set of sweep tubes in my old FT-101 that would
drop from 290mA to 250mA in about 5 seconds... they
lasted that way for 5 years. On ssb peaks, it wasn't
even an issue and on CW I just cut power to about 75
watts.

bill

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> This will have to be continued...STUPID ME!!! I had
> the rig tuned on 40 and
> when I went to tune it on 20 I had the steps messed
> up. I had it in CW mode
> and not tune mode. Of course nothing at all was
> happening in CW mode because
> I didn't have the key down. DOH! So it appears to be
> actually working on 20.
> I just re-configured my antenna before dinner and a
> movie. I was hearing a
> lot more but didn't get to try tuning it up. I am on
> my way to the basement
> to try again. If there is anything left of 20 I will
> try. If not I will
> check the things you mention on 40.
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> Is there a danger to soft tubes? I can live for a
> while with less output for
> a while.
>
> Thanks
>
> Sean
>
> >From: Eric Webner <ka8fan@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] Finals toast?
> >Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
> >
> >

> >Hi Sean,
> >
> >I'll take a stab at this. First of all,
> congratulations on getting your
> >feet wet again. I am a little jealous because I am
> not quite yet able to
> >transmit yet, after having moved from Ohio to North
> Carolina. Got the
> >antenna, got the receiver, transmitter doesn't
> work, my TS-520 is too big
> >for the small table we call a hamshack. . . .
> >
> >But I digress.
> >
> >Bill is certainly the expert on all this, but it
> does sound like the finals
> >may be getting a bit "soft." Does your plate
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> >does it drop, also? Does it tune up well into your
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> >Regarding twenty meters, I would ask if you are
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> >suggested that the oscillator crystals quit
> working, but to replace the
> >oscillator transistor first to see if the circuit
> "wakes up." The
> >transistor, of course, is a bit cheaper than a
> crystal.
> >
> >Hope this helps you out. Good luck, and have fun!
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> >73,
> >
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> after 20 plus years and
> >for the first time in my life, I put my own station
> on the air. The first
> >time I was a ham I had my very own Elmer in my dad

> and always used his
> >station, last going on the air when I was 16. I am
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http://promotions.yahoo.com/new_mail

2466. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 12:23:39 UTC
From: Bill K0ZL
Topic: 2456 Message: 2466

Everyone has diff. opinion on what "real" ham radio is
all about.

1. Elmering a class of wannabes...

2. Waiting for the first snow to hang your antenna,
'cuz it works better if hung in bad wx

3. Gettin' yelled at for RFI on teen daughter's
fone...

4. Getting the "perfect shot" into the trees with your
bow and arrow for the dipole, only to watch the bit
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limb, chasing the arrow!

5. Owning or operating, at least once, a ham station
without one single semiconductor in any of the gear
(all tube).

6. Arguing a guy down from $5.00 to $4.00 for a box of
junque at a hamfest.

7. Your bathroom has old issues of "73", Ham Radio or
QST in the mag rack.

8. Running 15 Yahoo ham groups, or more... hi

9. Having your trees trimmed, not for beauty but to
clear your wire antennas.

10. Neighbor mentions RFI on their fone/stereo/home
intercom; only upset because they can't hear BOTH
sides of the conversation! (bless 'em, get them a
receiver...)

b
--- G Bay <botr8@...> wrote:

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> Your well on your way to being a "real" ham.
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> If you don't make mistakes your not trying hard
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> 73
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> Gary WB3DSJ

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> "Sean.....He's the cat that won't cop out even when
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>
> Thanks
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> >From: Eric Webner
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] Finals toast?
> >Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
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> >Hi Sean,
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> >I'll take a stab at this. First of all,
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"If in doubt, MODIFY" --k0zl

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2467. Re: [TS-520_820_530_830] Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 12:25:40 UTC
From: Bill K0ZL
Topic: 2456 Message: 2467

Tube prices pretty steady lately.

Driver being weak is indicated by the ALC reading
dropping off.

Finals are checked by temporarily jacking the bias
current all the way up, then key rig, and watch the
meter... should come up to 180-220mA and stay there
for at least 3 seconds. If finals are bad, either it
won't come up that high or it will come up and then
drop quickly to lower level.

Be sure to check hi voltage too, one of the filter
caps being bad will drop plate V to about 430 volts
and thus plate I will be low.

b

--- pchapman9202003 <p_chap@...> wrote:

>
>
> Do not forget that you can get falloff in your
> driver, that would
> embarras a good set of finals
>
> . So do not jump of of the bridge, yet.
>
> That is usually a chep quick fic. Might as well get
> them now, before
> they are more expenwive as colletions etc
>
>
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>

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"If in doubt, MODIFY" --k0zl

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2468. RE: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 13:39:15 UTC
From: Ron Kienzle
Topic: 2456 Message: 2468

Bill, you are right on the mark! I've been a ham for 46 years now (16 of those in your part of the planet) and I agree and identify with every point.

Have you sent these to QST?

--Ron (KZ7P)

> -----Original Message-----
> From: Bill K0ZL [mailto:coorsbill@...]
> Sent: Saturday, October 09, 2004 8:24 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Finals toast?
>
>
>
> Everyone has diff. opinion on what "real" ham radio is
> all about.
>
> 1. Elmering a class of wannabes...
>
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> 7. Your bathroom has old issues of "73", Ham Radio or
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> 8. Running 15 Yahoo ham groups, or more... hi
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> 9. Having your trees trimmed, not for beauty but to
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> 10. Neighbor mentions RFI on their fone/stereo/home
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> "If in doubt, MODIFY" --k0zl
>
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2469. TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 16:11:44 UTC
From: R Braddock
Topic: 2469 Message: 2469

After a long rest on my workbench, I decided to reapproach my old TS-830 output problem. After carefully checking everything I know to check and a fresh set of 6146s, I proceeded to bring her back to life. HV is 800+ and everything looks good. The receiver functions fine, but as soon as I flip the SG switch(not transmitting), the plates on the outputs start to glow. I know I asked these same questions months ago, but I am still stumped. It would be really helpful if I knew what the correct voltage ranges would be on test points of the PA board. I would really be proud to have my old 830 back in the shack!

Thanks in advance,

Richard AE4BP

[Non-text portions of this message have been removed]

2470. RE: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 06:15:06 UTC
From: Bill Gerhold
Topic: 2469 Message: 2470

Sounds like you have either no grid bias or too little. Check the grid voltage.

K2WH

-----Original Message-----
From: R Braddock [mailto:rbraddock@...]
Sent: Saturday, October 09, 2004 22:12 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-830S Outputs

After a long rest on my workbench, I decided to reapproach my old TS-830 output problem. After carefully checking everything I know to check and a fresh set of 6146s, I proceeded to bring her back to life. HV is 800+ and everything looks good. The receiver functions fine, but as soon as I flip the SG switch(not transmitting), the plates on the outputs start to glow. I know I asked these same questions months ago, but I am still stumped. It would be really helpful if I knew what the correct voltage ranges would be on test points of the PA board. I would really be proud to have my old 830 back in the shack!

Thanks in advance,

Richard AE4BP

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<http://us.ard.yahoo.com/SIG=129b0f9h8/M=294855.5468653.6549235.3001176/D=groups/S=1705063108:HM/EXP=1097424590/A=2376776/R=0/SIG=11ldm1jvc/*http:/promotions.yahoo.com/ydomains2004/index.html> click here

<http://us.adserver.yahoo.com/l?M=294855.5468653.6549235.3001176/D=groups/S=:HM/A=2376776/rand=919481424>

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TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

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[Non-text portions of this message have been removed]

2471. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 16:24:50 UTC
From: R Braddock
Topic: 2469 Message: 2471

Okay, where would I check this? What should it be and where does it come from?

Thanks,

Richard AE4BP
----- Original Message -----
From: Bill Gerhold
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 2:15 AM
Subject: RE: [TS-520_820_530_830] TS-830S Outputs

Sounds like you have either no grid bias or too little. Check the grid
voltage.

K2WH

-----Original Message-----
From: R Braddock [mailto:rbraddock@...]
Sent: Saturday, October 09, 2004 22:12 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-830S Outputs

After a long rest on my workbench, I decided to reapproach my old TS-830
output problem. After carefully checking everything I know to check and
a fresh set of 6146s, I proceeded to bring her back to life. HV is 800+
and everything looks good. The receiver functions fine, but as soon as I
flip the SG switch(not transmitting), the plates on the outputs start to
glow. I know I asked these same questions months ago, but I am still
stumped. It would be really helpful if I knew what the correct voltage
ranges would be on test points of the PA board. I would really be proud
to have my old 830 back in the shack!

Thanks in advance,

Richard AE4BP

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D=groups/S=1705063108:HM/EXP=1097424590/A=2376776/R=0/SIG=11ldm1jvc/*htt
p:/promotions.yahoo.com/ydomains2004/index.html> click here

<http://us.adserver.yahoo.com/l?M=294855.5468653.6549235.3001176/D=group
s/S=:HM/A=2376776/rand=919481424>

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2472. RE: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 16:54:12 UTC
From: Bill K0ZL
Topic: 2456 Message: 2472

Nope, this "top ten" list is just for the 520etc group
members to enjoy! hi.

thanks

I left out the solder blob on the bare legs (never
solder in shorts), setting the ash tree limb on fire
with 1100 watts of RTTY on 40M, and settin' the dogs
to howling with BC heterodynes at full volumn out of
the NC-300... hehe

b

--- Ron Kienzle <ron@...> wrote:

> Bill, you are right on the mark! I've been a ham for
> 46 years now (16 of
> those in your part of the planet) and I agree and
> identify with every point.
>
> Have you sent these to QST?
>
> --Ron (KZ7P)
>
>
> > -----Original Message-----
> > From: Bill K0ZL [mailto:coorsbill@...]
> > Sent: Saturday, October 09, 2004 8:24 AM
> > To: TS-520_820_530_830@yahoogroups.com
> > Subject: Re: [TS-520_820_530_830] Finals toast?
> >
> >
> >
> > Everyone has diff. opinion on what "real" ham
> radio is
> > all about.
> >
> > 1. Elmering a class of wannabes...
> >
> > 2. Waiting for the first snow to hang your
> antenna,
> > 'cuz it works better if hung in bad wx
> >
> > 3. Gettin' yelled at for RFI on teen daughter's
> > fone...
> >

> > 4. Getting the "perfect shot" into the trees with
> your
> > bow and arrow for the dipole, only to watch the
> bit
> > end of the line arcing through the air and over
> that
> > limb, chasing the arrow!
> >
> > 5. Owning or operating, at least once, a ham
> station
> > without one single semiconductor in any of the
> gear
> > (all tube).
> >
> > 6. Arguing a guy down from $5.00 to $4.00 for a
> box of
> > junque at a hamfest.
> >
> > 7. Your bathroom has old issues of "73", Ham Radio
> or
> > QST in the mag rack.
> >
> > 8. Running 15 Yahoo ham groups, or more... hi
> >
> > 9. Having your trees trimmed, not for beauty but
> to
> > clear your wire antennas.
> >
> > 10. Neighbor mentions RFI on their
> fone/stereo/home
> > intercom; only upset because they can't hear BOTH
> > sides of the conversation! (bless 'em, get them a
> > receiver...)
> >
> > b
> > --- G Bay <botr8@...> wrote:
> >
> > >
> > > Your well on your way to being a "real" ham.
> > >
> > > If you don't make mistakes your not trying hard
> > > enough!!!
> > >
> > > 73
> > >
> > > Gary WB3DSJ
> > >
> > > "Sean.....He's the cat that won't cop out even
> when
> > > there's danger all about....."

> > > <seanfried@...> wrote:
> > >
> > > This will have to be continued...STUPID ME!!! I
> had
> > > the rig tuned on 40 and
> > > when I went to tune it on 20 I had the steps
> messed
> > > up. I had it in CW mode
> > > and not tune mode. Of course nothing at all was
> > > happening in CW mode because
> > > I didn't have the key down. DOH! So it appears
> to be
> > > actually working on 20.
> > > I just re-configured my antenna before dinner
> and a
> > > movie. I was hearing a
> > > lot more but didn't get to try tuning it up. I
> am on
> > > my way to the basement
> > > to try again. If there is anything left of 20 I
> will
> > > try. If not I will
> > > check the things you mention on 40.
> > >
> > > Is there a danger to soft tubes? I can live for
> a
> > > while with less output for
> > > a while.
> > >
> > > Thanks
> > >
> > > Sean
> > >
> > > >From: Eric Webner
> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
> > > >Subject: Re: [TS-520_820_530_830] Finals toast?
> > > >Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
> > > >
> > > >
> > > >Hi Sean,
> > > >
> > > >I'll take a stab at this. First of all,
> > > congratulations on getting your
> > > >feet wet again. I am a little jealous because I
> am
> > > not quite yet able to
> > > >transmit yet, after having moved from Ohio to
> North
> > > Carolina. Got the

> > > >antenna, got the receiver, transmitter doesn't
> > > work, my TS-520 is too big
> > > >for the small table we call a hamshack. . . .
> > > >
> > > >But I digress.
> > > >
> > > >Bill is certainly the expert on all this, but
> it
> > > does sound like the finals
> > > >may be getting a bit "soft." Does your plate
> > > current Ip remain the same, or
> > > >does it drop, also? Does it tune up well into
> your
> > > antenna?
> > > >
> > > >Regarding twenty meters, I would ask if you are
> > > able to get any drive on
> > > >that band (ALC) or just no plate current (Ip)?
> Does
> > > it receive on 20? I
> > > >worked on a friend's radio where it didn't do
> > > anything on 80 and 15. Bill
> > > >suggested that the oscillator crystals quit
> > > working, but to replace the
> > > >oscillator transistor first to see if the
> circuit
> > > "wakes up." The
> > > >transistor, of course, is a bit cheaper than a
> > > crystal.
> > > >
> > > >Hope this helps you out. Good luck, and have
> fun!
> > > >
> > > >73,
> > > >
> > > >Eric KA8FAN
> > > >
> > > >
> > > >"Sean.....He's the cat that won't cop out even
> when
> > > there's danger all
> > > >about....." wrote:
> > > >
> > > >I finally got my 520s on the air. Took a while
> but
> > > after 20 plus years and
> > > >for the first time in my life, I put my own
> station
> > > on the air. The first
> > > >time I was a ham I had my very own Elmer in my

> dad
> > > and always used his
> > > >station, last going on the air when I was 16. I
> am
> > > now 37 and what an
> > > >accomplishment it feels like to put my own
> signal
> > > on the air. Funny, I have
> > > >a wife, two kids and a nice house but until I
> tuned
> > > up that 520 for the
> > > >first time myself and made a QSO, I finally
> feel
> > > like a grown up. Do your
> > > >own phsycological analysis.
> > > >
> > > >I am on 40 meters CW in the evenings, mostly in
> the
> > > Novice section until my
> > > >ear, hand, keyer coordination returns... Plus,
> I
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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2473. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 19:56:06 UTC
From: peter A markavage
Topic: 2469 Message: 2473

I hope you're not trying to trouble shoot this rig without at least a
schematic. There are voltages in this thing that can kill you or knock
you across the room.
Pete, wa2cwa

On Sat, 9 Oct 2004 12:24:50 -0400 "R Braddock" <rbraddock@...>
writes:
Okay, where would I check this? What should it be and where does it come
from?

Thanks,

Richard AE4BP
----- Original Message -----
From: Bill Gerhold
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 2:15 AM
Subject: RE: [TS-520_820_530_830] TS-830S Outputs

Sounds like you have either no grid bias or too little. Check the grid
voltage.

K2WH

-----Original Message-----
From: R Braddock [mailto:rbraddock@...]
Sent: Saturday, October 09, 2004 22:12 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-830S Outputs

After a long rest on my workbench, I decided to reapproach my old
TS-830
output problem. After carefully checking everything I know to check and
a fresh set of 6146s, I proceeded to bring her back to life. HV is 800+
and everything looks good. The receiver functions fine, but as soon as
I
flip the SG switch(not transmitting), the plates on the outputs start
to
glow. I know I asked these same questions months ago, but I am still
stumped. It would be really helpful if I knew what the correct voltage
ranges would be on test points of the PA board. I would really be proud
to have my old 830 back in the shack!

Thanks in advance,

Richard AE4BP

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2474. Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 20:21:22 UTC
From: pchapman9202003
Topic: 2456 Message: 2474

Good comment, Bill. If it's not broke enough, don't fix it!

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Soft finals can run for years with short tune-ups...
> don't stay on them too long, dip quickly...
>
> I had set of sweep tubes in my old FT-101 that would
> drop from 290mA to 250mA in about 5 seconds... they
> lasted that way for 5 years. On ssb peaks, it wasn't
> even an issue and on CW I just cut power to about 75
> watts.
>
> bill
>

2475. Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 20:51:16 UTC
From: pchapman9202003
Topic: 2456 Message: 2475

I love may Marksman model 3061 slingshot and Zebco 202 combo. The only problem is that if one is looking for the manly way to get it done by staying out there all day with a fishing rod, or throwing rocks and strings, it's a bummer cuz I get it done on the second or third shot every time. Fifty feet up, no problem. I'm pulling rope within 15 minutes. What a girly-man kind of let-down!!! Even worse, it cost less than 15 bucks to build it. Such depression as a result, HI!!!!!!

> 4. Getting the "perfect shot" into the trees with your
> bow and arrow for the dipole, only to watch the bit
> end of the line arcing through the air and over that
> limb, chasing the arrow!
>

2476. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 21:15:02 UTC
From: R Braddock
Topic: 2469 Message: 2476

I am pretty familiar with tube gear(I restore vintage audio stuff) and I can follow the schematic. I am really not familiar with the history of this one, though, since I bought it on Ebay a few years ago(it never did transmit). After extensively going through the PA, it looked like it had been hacked up good(CBer?). All of the resistors were burnt to a crisp, etc. And, I completely replaced the power supply board. So, I tried to put everything back into order based on the schematic. Maybe I missed something. It would really be helpful if I could find some hi-res photos of the PA area showing clearly what connects to what. Actually, a working unit to compare to would be great. I might check around locally. I just don't know what the proper voltages should be at which point(ie. Photofact).

Richard AE4BP

----- Original Message -----
From: peter A markavage
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 3:56 PM
Subject: Re: [TS-520_820_530_830] TS-830S Outputs

I hope you're not trying to trouble shoot this rig without at least a
schematic. There are voltages in this thing that can kill you or knock
you across the room.
Pete, wa2cwa

On Sat, 9 Oct 2004 12:24:50 -0400 "R Braddock" <rbraddock@...>
writes:
Okay, where would I check this? What should it be and where does it come
from?

Thanks,

Richard AE4BP
----- Original Message -----
From: Bill Gerhold
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 2:15 AM
Subject: RE: [TS-520_820_530_830] TS-830S Outputs

Sounds like you have either no grid bias or too little. Check the grid
voltage.

K2WH

-----Original Message-----
From: R Braddock [mailto:rbraddock@...]
Sent: Saturday, October 09, 2004 22:12 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS-830S Outputs

After a long rest on my workbench, I decided to reapproach my old
TS-830
output problem. After carefully checking everything I know to check and
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flip the SG switch(not transmitting), the plates on the outputs start
to
glow. I know I asked these same questions months ago, but I am still
stumped. It would be really helpful if I knew what the correct voltage
ranges would be on test points of the PA board. I would really be proud
to have my old 830 back in the shack!

Thanks in advance,

Richard AE4BP

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2477. Re: [TS-520_820_530_830] Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 21:17:46 UTC
From: Bill K0ZL
Topic: 2456 Message: 2477

Darn, that leaves me enough time and money for an 807
or two... can't have that.

b

--- pchapman9202003 <p_chap@...> wrote:

>
> I love may Marksman model 3061 slingshot and Zebco
> 202 combo. The
> only problem is that if one is looking for the manly
> way to get it
> done by staying out there all day with a fishing
> rod, or throwing
> rocks and strings, it's a bummer cuz I get it done
> on the second or
> third shot every time. Fifty feet up, no problem.
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> within 15 minutes. What a girly-man kind of
> let-down!!! Even worse,
> it cost less than 15 bucks to build it. Such
> depression as a result,
> HI!!!!!!
>
>
> > 4. Getting the "perfect shot" into the trees with
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> >
>
>
>
>
>

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2478. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 21:22:01 UTC
From: Bill K0ZL
Topic: 2469 Message: 2478

Ok richard. Drop the cover off the bottom of the rig
and look for the grid pin on the tube sockets... then
measure it in TX mode and tell us what you see there.

bill

--- R Braddock <rbraddock@...> wrote:

> I am pretty familiar with tube gear(I restore
> vintage audio stuff) and I can follow the schematic.
> I am really not familiar with the history of this
> one, though, since I bought it on Ebay a few years
> ago(it never did transmit). After extensively going
> through the PA, it looked like it had been hacked up
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> something. It would really be helpful if I could
> find some hi-res photos of the PA area showing
> clearly what connects to what. Actually, a working
> unit to compare to would be great. I might check
> around locally. I just don't know what the proper
> voltages should be at which point(ie. Photofact).
>
> Richard AE4BP
>
> ----- Original Message -----
> From: peter A markavage
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, October 09, 2004 3:56 PM
> Subject: Re: [TS-520_820_530_830] TS-830S Outputs
>
>
> I hope you're not trying to trouble shoot this rig
> without at least a
> schematic. There are voltages in this thing that
> can kill you or knock
> you across the room.
> Pete, wa2cwa
>
> On Sat, 9 Oct 2004 12:24:50 -0400 "R Braddock"
> <rbraddock@...>
> writes:
> Okay, where would I check this? What should it be
> and where does it come

> from?
>
> Thanks,
>
> Richard AE4BP
> ----- Original Message -----
> From: Bill Gerhold
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, October 09, 2004 2:15 AM
> Subject: RE: [TS-520_820_530_830] TS-830S
> Outputs
>
>
> Sounds like you have either no grid bias or too
> little. Check the grid
> voltage.
>
> K2WH
>
> -----Original Message-----
> From: R Braddock [mailto:rbraddock@...]
> Sent: Saturday, October 09, 2004 22:12 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-830S Outputs
>
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> and everything looks good. The receiver
> functions fine, but as soon as
> I
> flip the SG switch(not transmitting), the plates
> on the outputs start
> to
> glow. I know I asked these same questions months
> ago, but I am still
> stumped. It would be really helpful if I knew
> what the correct voltage
> ranges would be on test points of the PA board.
> I would really be proud
> to have my old 830 back in the shack!
>
> Thanks in advance,
>
> Richard AE4BP
>

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2479. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 21:39:22 UTC
From: G Bay
Topic: 2456 Message: 2479

All true, let me add moving a tr4c with the cover off and powered up.
SHOCK, drop, U.P.S. back to Drake for new pto!

WB3DSJ

Bill K0ZL <coorsbill@...> wrote:

Everyone has diff. opinion on what "real" ham radio is
all about.

1. Elmering a class of wannabes...

2. Waiting for the first snow to hang your antenna,
'cuz it works better if hung in bad wx

3. Gettin' yelled at for RFI on teen daughter's
fone...

4. Getting the "perfect shot" into the trees with your
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end of the line arcing through the air and over that
limb, chasing the arrow!

5. Owning or operating, at least once, a ham station
without one single semiconductor in any of the gear
(all tube).

6. Arguing a guy down from $5.00 to $4.00 for a box of
junque at a hamfest.

7. Your bathroom has old issues of "73", Ham Radio or
QST in the mag rack.

8. Running 15 Yahoo ham groups, or more... hi

9. Having your trees trimmed, not for beauty but to
clear your wire antennas.

10. Neighbor mentions RFI on their fone/stereo/home
intercom; only upset because they can't hear BOTH
sides of the conversation! (bless 'em, get them a
receiver...)

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> the rig tuned on 40 and
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> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] Finals toast?
> >Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
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> >2. The radio seems to have no life on 20 meters.
> Pretty much no meter
> >deflection. The manual says the radio probably
> needs alignment? Seems easy
> >enough. I have not opened the radio up yet to
> look...what kind of tool does
> >this require? Any hints on getting this alignment
> right and not screwing up
> >anything else in the process?
> >
> >Thanks once again,
> >
> >Sean WA2LKV
> >
>
>_____
> >Don?t just search. Find. Check out the new MSN
> Search!
>
>http://search.msn.click-url.com/go/onm00200636ave/direct/01/
> >
> >
> >
> >
> >
> >Yahoo! Groups Links
> >
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> >----------
> >Do you Yahoo!?
> >Y! Messenger - Communicate in real time. Download
> now.
> >
> >[Non-text portions of this message have been
> removed]
> >
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> >Yahoo! Groups Links
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> Get ready for school! Find articles, homework help
> and more in the Back to
> School Guide!
> http://special.msn.com/network/04backtoschool.armx
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> Yahoo! Groups Links
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Yahoo! Groups Links

Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.

[Non-text portions of this message have been removed]

2480. Re: [TS-520_820_530_830] Operator almost toast...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 21:55:43 UTC
From: Bill K0ZL
Topic: 2456 Message: 2480

OWWWWW

bit by yer own Drake.

Dragged my forearm across the tube anode connectors in
powered up 830 once. Also was transmitting about 30
watts. Neutralizing with cage off (DUMB).

Next thing I know I was sittin on the floor. Bonnie
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Spent rest of day wondering what God had spared me
for... Figure if it had happened ten years later,
someone else would be running this group right now.

Be careful out there.

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2481. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 23:33:06 UTC
From: Paul Manuel
Topic: 2469 Message: 2481

--- R Braddock <rbraddock@...> wrote:

> . It would be really helpful if I knew what the correct voltage
> ranges would be on test points of the PA board. I would really be proud
> to have my old 830 back in the shack!

I was troubleshooting an old rig to which I had no service manual and wondered if the votages were correct to the final tubes. I found a diagram of the tube pinouts on the Web which showed the range of voltage that could be expected for each pin and used that to check. It showed me that the finals were indeed shot, since the voltages were in the ballpark and I had drive to the final.
73,
Paul K4PDM

Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

2482. RE: [TS-520_820_530_830] Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-09 23:52:29 UTC
From: Gary Commer
Topic: 2456 Message: 2482

I just picked up the Marksman 3060. I plan on also picking up either the Zebco 202 or 404. My question is how / where did you attach the reel to the slingshot?

73 dit dit
de Gary AF4LD

> [Original Message]
> From: pchapman9202003 <p_chap@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 10/9/2004 4:52:12 PM
> Subject: [TS-520_820_530_830] Re: Finals toast?
>
>
>
> I love may Marksman model 3061 slingshot and Zebco 202 combo. The
> only problem is that if one is looking for the manly way to get it
> done by staying out there all day with a fishing rod, or throwing
> rocks and strings, it's a bummer cuz I get it done on the second or
> third shot every time. Fifty feet up, no problem. I'm pulling rope
> within 15 minutes. What a girly-man kind of let-down!!! Even worse,
> it cost less than 15 bucks to build it. Such depression as a result,
> HI!!!!!!
>
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> > 4. Getting the "perfect shot" into the trees with your
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2483. Re: [TS-520_820_530_830] Operator almost toast...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 00:09:41 UTC
From: Eric Webner
Topic: 2456 Message: 2483

I did that once, too, many years ago, with a Johnson Viking Ranger that was on the metal workbench, running 750 volts and full RF power. Through my right arm outward and left some nice RF burns. One hand in the pocket. . . .

Bill K0ZL <coorsbill@...> wrote:
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bit by yer own Drake.

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To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

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[Non-text portions of this message have been removed]

2484. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 12:35:35 UTC
From: R Braddock
Topic: 2469 Message: 2484

SG voltage in TX is 192.1VDC.

Richard
----- Original Message -----
From: Bill K0ZL
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 5:22 PM
Subject: Re: [TS-520_820_530_830] TS-830S Outputs

Ok richard. Drop the cover off the bottom of the rig
and look for the grid pin on the tube sockets... then
measure it in TX mode and tell us what you see there.

bill

--- R Braddock <rbraddock@...> wrote:

> I am pretty familiar with tube gear(I restore
> vintage audio stuff) and I can follow the schematic.
> I am really not familiar with the history of this
> one, though, since I bought it on Ebay a few years
> ago(it never did transmit). After extensively going
> through the PA, it looked like it had been hacked up
> good(CBer?). All of the resistors were burnt to a
> crisp, etc. And, I completely replaced the power
> supply board. So, I tried to put everything back
> into order based on the schematic. Maybe I missed
> something. It would really be helpful if I could
> find some hi-res photos of the PA area showing
> clearly what connects to what. Actually, a working
> unit to compare to would be great. I might check
> around locally. I just don't know what the proper
> voltages should be at which point(ie. Photofact).
>
> Richard AE4BP
>
> ----- Original Message -----
> From: peter A markavage
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, October 09, 2004 3:56 PM
> Subject: Re: [TS-520_820_530_830] TS-830S Outputs
>
>
> I hope you're not trying to trouble shoot this rig
> without at least a
> schematic. There are voltages in this thing that

> can kill you or knock
> you across the room.
> Pete, wa2cwa
>
> On Sat, 9 Oct 2004 12:24:50 -0400 "R Braddock"
> <rbraddock@...>
> writes:
> Okay, where would I check this? What should it be
> and where does it come
> from?
>
> Thanks,
>
> Richard AE4BP
> ----- Original Message -----
> From: Bill Gerhold
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Saturday, October 09, 2004 2:15 AM
> Subject: RE: [TS-520_820_530_830] TS-830S
> Outputs
>
>
> Sounds like you have either no grid bias or too
> little. Check the grid
> voltage.
>
> K2WH
>
> -----Original Message-----
> From: R Braddock [mailto:rbraddock@...]
> Sent: Saturday, October 09, 2004 22:12 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] TS-830S Outputs
>
> After a long rest on my workbench, I decided to
> reapproach my old
> TS-830
> output problem. After carefully checking
> everything I know to check and
> a fresh set of 6146s, I proceeded to bring her
> back to life. HV is 800+
> and everything looks good. The receiver
> functions fine, but as soon as
> I
> flip the SG switch(not transmitting), the plates
> on the outputs start
> to
> glow. I know I asked these same questions months
> ago, but I am still
> stumped. It would be really helpful if I knew

> what the correct voltage
> ranges would be on test points of the PA board.
> I would really be proud
> to have my old 830 back in the shack!
>
> Thanks in advance,
>
> Richard AE4BP
>
> [Non-text portions of this message have been
> removed]
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>
> [Non-text portions of this message have been

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>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2485. Re: [TS-520_820_530_830] Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 13:40:02 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2456 Message: 2485

Let me make some trouble here,

Real hams know code...

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Finals toast?
>Date: Sat, 9 Oct 2004 05:23:39 -0700 (PDT)
>
>
>Everyone has diff. opinion on what "real" ham radio is
>all about.
>
>1. Elmering a class of wannabes...
>
>2. Waiting for the first snow to hang your antenna,
>'cuz it works better if hung in bad wx
>
>3. Gettin' yelled at for RFI on teen daughter's
>fone...
>
>4. Getting the "perfect shot" into the trees with your
>bow and arrow for the dipole, only to watch the bit
>end of the line arcing through the air and over that
>limb, chasing the arrow!
>
>5. Owning or operating, at least once, a ham station
>without one single semiconductor in any of the gear
>(all tube).
>
>6. Arguing a guy down from $5.00 to $4.00 for a box of
>junque at a hamfest.
>
>7. Your bathroom has old issues of "73", Ham Radio or
>QST in the mag rack.
>
>8. Running 15 Yahoo ham groups, or more... hi
>
>9. Having your trees trimmed, not for beauty but to
>clear your wire antennas.
>
>10. Neighbor mentions RFI on their fone/stereo/home
>intercom; only upset because they can't hear BOTH
>sides of the conversation! (bless 'em, get them a

>receiver...)
>
>b
>--- G Bay <botr8@...> wrote:
>
> >
> > Your well on your way to being a "real" ham.
> >
> > If you don't make mistakes your not trying hard
> > enough!!!
> >
> > 73
> >
> > Gary WB3DSJ
> >
> > "Sean.....He's the cat that won't cop out even when
> > there's danger all about....."
> > <seanfried@...> wrote:
> >
> > This will have to be continued...STUPID ME!!! I had
> > the rig tuned on 40 and
> > when I went to tune it on 20 I had the steps messed
> > up. I had it in CW mode
> > and not tune mode. Of course nothing at all was
> > happening in CW mode because
> > I didn't have the key down. DOH! So it appears to be
> > actually working on 20.
> > I just re-configured my antenna before dinner and a
> > movie. I was hearing a
> > lot more but didn't get to try tuning it up. I am on
> > my way to the basement
> > to try again. If there is anything left of 20 I will
> > try. If not I will
> > check the things you mention on 40.
> >
> > Is there a danger to soft tubes? I can live for a
> > while with less output for
> > a while.
> >
> > Thanks
> >
> > Sean
> >
> > >From: Eric Webner
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] Finals toast?
> > >Date: Fri, 8 Oct 2004 15:10:31 -0700 (PDT)
> > >
> > >

> > >Hi Sean,
> > >
> > >I'll take a stab at this. First of all,
> > congratulations on getting your
> > >feet wet again. I am a little jealous because I am
> > not quite yet able to
> > >transmit yet, after having moved from Ohio to North
> > Carolina. Got the
> > >antenna, got the receiver, transmitter doesn't
> > work, my TS-520 is too big
> > >for the small table we call a hamshack. . . .
> > >
> > >But I digress.
> > >
> > >Bill is certainly the expert on all this, but it
> > does sound like the finals
> > >may be getting a bit "soft." Does your plate
> > current Ip remain the same, or
> > >does it drop, also? Does it tune up well into your
> > antenna?
> > >
> > >Regarding twenty meters, I would ask if you are
> > able to get any drive on
> > >that band (ALC) or just no plate current (Ip)? Does
> > it receive on 20? I
> > >worked on a friend's radio where it didn't do
> > anything on 80 and 15. Bill
> > >suggested that the oscillator crystals quit
> > working, but to replace the
> > >oscillator transistor first to see if the circuit
> > "wakes up." The
> > >transistor, of course, is a bit cheaper than a
> > crystal.
> > >
> > >Hope this helps you out. Good luck, and have fun!
> > >
> > >73,
> > >
> > >Eric KA8FAN
> > >
> > >
> > >"Sean.....He's the cat that won't cop out even when
> > there's danger all
> > >about....." wrote:
> > >
> > >I finally got my 520s on the air. Took a while but
> > after 20 plus years and
> > >for the first time in my life, I put my own station
> > on the air. The first
> > >time I was a ham I had my very own Elmer in my dad

> > and always used his
> > >station, last going on the air when I was 16. I am
> > now 37 and what an
> > >accomplishment it feels like to put my own signal
> > on the air. Funny, I have
> > >a wife, two kids and a nice house but until I tuned
> > up that 520 for the
> > >first time myself and made a QSO, I finally feel
> > like a grown up. Do your
> > >own phsycological analysis.
> > >
> > >I am on 40 meters CW in the evenings, mostly in the
> > Novice section until my
> > >ear, hand, keyer coordination returns... Plus, I
> > still haven't found a mic.
> > >
> > >Questions/problems.
> > >
> > >1. The rig seems to initially do a solid 110-ish
> > watts forward but I have
> > >noticed that by the end of both contacts that I
> > have made so far, it seems
> > >that the output drops to about 70 watts. I can dial
> > up the carrier a little
> > >more to up the power but so far have not
> > transmitted enough to see if the
> > >power stays up. Either way, I would think this
> > should not be necessary. Are
> > >the finals on the way out???
> > >
> > >2. The radio seems to have no life on 20 meters.
> > Pretty much no meter
> > >deflection. The manual says the radio probably
> > needs alignment? Seems easy
> > >enough. I have not opened the radio up yet to
> > look...what kind of tool does
> > >this require? Any hints on getting this alignment
> > right and not screwing up
> > >anything else in the process?
> > >
> > >Thanks once again,
> > >
> > >Sean WA2LKV
> > >
> >
> >_____
> > >Don’t just search. Find. Check out the new MSN
> > Search!
> >
> >http://search.msn.click-url.com/go/onm00200636ave/direct/01/

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> > >Yahoo! Groups Links
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> > >Do you Yahoo!?
> > >Y! Messenger - Communicate in real time. Download
> > now.
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> > >[Non-text portions of this message have been
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> > >Yahoo! Groups Links
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>_____
> > Get ready for school! Find articles, homework help
> > and more in the Back to
> > School Guide!
> > http://special.msn.com/network/04backtoschool.armx
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> > ---------------------------------
> > Do you Yahoo!?
> >
>=== message truncated ===
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>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
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>Do you Yahoo!?
>Declare Yourself - Register online to vote today!
>http://vote.yahoo.com
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FREE pop-up blocking with the new MSN Toolbar ? get it now!
http://toolbar.msn.click-url.com/go/onm00200415ave/direct/01/

2486. TS-820s New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 15:26:54 UTC
From: tetrodehead
Topic: 2486 Message: 2486

Hi to all in the group.
This is Dave in France.Thanks for approving my application to join.
I've been a SWL for 50 years and I'm at last taking my novice licence.
My TS820s should arrive before Xmas and I'll be fitting the QRP mod
and learning to 'drive' it properly.
I was born in UK, lived in South Africa and now retired amongst the
vines. No local QRM but in the bottom of a small valley so not the
best QTH for radio.
73s
Dave

2487. Re: [TS-520_820_530_830] TS-820s New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 16:20:45 UTC
From: Eric Webner
Topic: 2486 Message: 2487

Yeah, but the sun and the grapes ought to make up for being in a radio "hole." Glad to have you aboard and good luck in your endeavours. This is definitely the group to call on if you need any help, TS-820S or otherwise!

73,

Eric KA8FAN

tetrodehead <dave.crooks@...> wrote:

Hi to all in the group.
This is Dave in France.Thanks for approving my application to join.
I've been a SWL for 50 years and I'm at last taking my novice licence.
My TS820s should arrive before Xmas and I'll be fitting the QRP mod
and learning to 'drive' it properly.
I was born in UK, lived in South Africa and now retired amongst the
vines. No local QRM but in the bottom of a small valley so not the
best QTH for radio.
73s
Dave

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2488. [TS-520_820_530_830] TS-820s New Member....No QRM better than valley bootom??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 17:42:48 UTC
From: donii@sympatico.ca
Topic: 2488 Message: 2488

Bonjour Dave
Welcome to the group. I also live in a French speaking environment. Glad you have finally become a ham!!
Personally I would prefer to live where you are with no QRM and trade it off for being in a valley. I think that you can beat the 'bottom of valley' problem in part with antennas that have specific radiating patterns. If you can get your hands on a ARRL Antenna book it has quite a bit on radiating patterns.
At least you probably will not have BPL which is having everyone in North America scared. It seems that last week the FCC has changed its rfi requirements to suit BPL.
BPL= Internet access over powerlines using H.F. frequencies.
73's
Peter
VE2FAR
P.S. Maybe we will be able to meet on the airwaves one day!

2489. Re: Finals toast?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-10 20:01:39 UTC
From: pchapman9202003
Topic: 2456 Message: 2489

Look in the photo section. I uploaded one. Here is a link for a
safer homebrew
http://www.arsqrp.com/ars/pages/back_issues/1998_text/0698_text/hylau
nch.html

--- In TS-520_820_530_830@yahoogroups.com, "Gary Commer"
<af4ld@e...> wrote:
> I just picked up the Marksman 3060. I plan on also picking up
either the
> Zebco 202 or 404. My question is how / where did you attach the
reel to
> the slingshot?
>
> 73 dit dit
> de Gary AF4LD

2490. Re: [TS-520_820_530_830] TS-820s New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-11 19:30:53 UTC
From: Bill K0ZL
Topic: 2486 Message: 2490

Hi Dave, welcome to the group.

You should do fine on the lower HF bands, with a full
size wire antenna, less than 1/4 wavelength high.

Bottom land is best for 160, 80 and 40 metres!

Vy 73,

Bill

--- tetrodehead <dave.crooks@...> wrote:

>
> Hi to all in the group.
> This is Dave in France.Thanks for approving my
> application to join.
> I've been a SWL for 50 years and I'm at last taking
> my novice licence.
> My TS820s should arrive before Xmas and I'll be
> fitting the QRP mod
> and learning to 'drive' it properly.
> I was born in UK, lived in South Africa and now
> retired amongst the
> vines. No local QRM but in the bottom of a small
> valley so not the
> best QTH for radio.
> 73s
> Dave
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2491. Re: [TS-520_820_530_830] TS-830S Outputs

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-11 21:14:25 UTC
From: Rbraddock
Topic: 2469 Message: 2491

That is a good idea, Paul. Thanks, I will take a look. Unfortunately, my bench time is limited to weekends since I work out of town all week. I will look it up next weekend. It is just a little disconcerting to have the plates glow like stoves as quick as the SG switch is turned on.

Richard AE4BP
----- Original Message -----
From: Paul Manuel
To: TS-520_820_530_830@yahoogroups.com
Sent: Saturday, October 09, 2004 7:33 PM
Subject: Re: [TS-520_820_530_830] TS-830S Outputs

--- R Braddock <rbraddock@...> wrote:

> . It would be really helpful if I knew what the correct voltage
> ranges would be on test points of the PA board. I would really be proud
> to have my old 830 back in the shack!

I was troubleshooting an old rig to which I had no service manual and wondered if the votages were correct to the final tubes. I found a diagram of the tube pinouts on the Web which showed the range of voltage that could be expected for each pin and used that to check. It showed me that the finals were indeed shot, since the voltages were in the ballpark and I had drive to the final.
73,
Paul K4PDM

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2492. WA8THK TS 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-11 21:53:44 UTC
From: PERRY
Topic: 2492 Message: 2492

I posted a picture of my New To Me TS 520S and AT 200 antenna
tuner I found at a Swap Saturday
This is a nice radio and it has only one little scratch on the
top that is hard to see...

I have the cover for the tuner I just had it off looking inside
when I snaped this picture..
Perry WA8THK

2493. Short antenna and 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-16 01:31:28 UTC
From: KABOONA
Topic: 2493 Message: 2493

Hello all. I have a TS820s with which I am having a blast besides a little rectification from my home stereo system. My question is the following. I have a 20m dipole that I cut myself and was using that nicely with the rig until I got a hold of an antenna tuner. I connected the tuner and decided to explore lower frequencies. I am able to lower the SWR with the tuner and the dipole to about 1.5 on 40 and 75m. I am using the tuner and a separate SWR meter. I have not transmitted this way other than what is required to tune the radio. Is this OK to use this way? Will I damage anything? Is there much being radiated?
Thanks in advance for any help.

regards
Jim
KB1KZI

2494. RE: [TS-520_820_530_830] Short antenna and 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-16 02:18:11 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2493 Message: 2494

No problem. The you should be able to run the rig fairly even at 2 and some people say 3. 1.5 is completely, totally fine. I am running a 20 meter 1/4 wave vert. It tunes to about 1.5 on 40 with a tuner. I have worked DX on 40 no sweat. As far as 75-160, if the tuner will match the antenna to the rig, no problem. The rig only knows that it is seeing 1.5. With regards to is much being radiated. If someone answers you, than enough is being radiated. Make sure to pay attention, I can't use an antenna tuner to tune my 20 meter antenna lower than 40. It starts arcing and that point, obviously, all bets are off.

>From: "KABOONA" <kaboona@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Short antenna and 820s
>Date: Sat, 16 Oct 2004 01:31:28 -0000
>
>
>Hello all. I have a TS820s with which I am having a blast besides a
>little rectification from my home stereo system. My question is the
>following. I have a 20m dipole that I cut myself and was using that
>nicely with the rig until I got a hold of an antenna tuner. I
>connected the tuner and decided to explore lower frequencies. I am
>able to lower the SWR with the tuner and the dipole to about 1.5 on
>40 and 75m. I am using the tuner and a separate SWR meter. I have
>not transmitted this way other than what is required to tune the
>radio. Is this OK to use this way? Will I damage anything? Is there
>much being radiated?
>Thanks in advance for any help.
>
>regards
>Jim
>KB1KZI
>
>
>

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http://messenger.msn.click-url.com/go/onm00200471ave/direct/01/

2495. Re: [TS-520_820_530_830] Short antenna and 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-16 02:23:18 UTC
From: Bill K0ZL
Topic: 2493 Message: 2495

Jim,
I don't recomment using short antennas with ANY tuner.

There are such high circulating currents in most tuners used today when the antenna is shorter than desired, that while damage may not be apparent right away, sooner or later you will do it parts of the tuner unless it's a very large, expensive KW rated job. Even in those cases, I have seen severe and even irreparable damage done to the major structural components of the inductor, connectors, etc., that I was convinced that this was not the way to go.

There are many good "shortenend" antenna designs that will work safely with your tuner. I encourage you to look at the ARRL Antenna Handbook first; then other wire antenna books, to see if you can find an antenna design that will work for you.

73,

Bill K0ZL
--- KABOONA <kaboona@...> wrote:

> Hello all. I have a TS820s with which I am having a blast besides a little rectification from my home stereo system. My question is the following. I have a 20m dipole that I cut myself and was using that nicely with the rig until I got a hold of an antenna tuner. I connected the tuner and decided to explore lower frequencies. I am able to lower the SWR with the tuner and the dipole to about 1.5 on 40 and 75m. I am using the tuner and a separate SWR meter. I have not transmitted this way other than what is required to tune the radio. Is this OK to use this way? Will I damage anything? Is there much being radiated? Thanks in advance for any help.

> regards
> Jim
> KB1KZI
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2496. Re: [TS-520_820_530_830] Short antenna and 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-16 02:36:26 UTC
From: Paul Manuel
Topic: 2493 Message: 2496

--- Bill K0ZL <coorsbill@...> wrote:
> I don't recomment using short antennas with ANY tuner.

Bill is right. In addition, your antenna will be very inefficient--can't put a number on it, but the shorter it is in relation to wavelength, the less efficient it will be.

In addition, you will be heating your coax and perhaps damaging it if the mismatch is high enough, and drastically increasing your RF in the shack.
73,
Paul K4PDM

_____
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2497. Foolish Me!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-17 13:20:28 UTC
From: abroges
Topic: 2497 Message: 2497

Hi All,
I worked RTTY on my kenwood ts 830s full blast on RTTY and must have blown out something in the microphone and or final unit because I only get about 7 watts output on LSB?USB with the mic gain control on maximum. Anyone have any ideas about happened? However, I still get about 100 watts output on CW. Does it pay to get fixed or should I just use the rig for CW and buy another rig for sideband/rtty??

Thanks for your responses.
Aaron

2498. Re: [TS-520_820_530_830] Foolish Me!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-17 18:59:48 UTC
From: Bill K0ZL
Topic: 2497 Message: 2498

What do you get on voice, whistle up, into dummy load?

Check continuity of the ground pin on the rig's mic
connector, to rig ground. Forget which one that is;
it's in your owner's manual under mic wiring. Perhaps
you lost the ground return for the audio.

I also suggest no more than about 25-30 watts on RTTY
or PSK31, so as not to exceed the 6146B plate
dissipation ratings.

73

b

--- abroges <abroges@...> wrote:

>
> Hi All,
> I worked RTTY on my kenwood ts 830s full blast on
> RTTY and must
> have blown out something in the microphone and or
> final unit because
> I only get about 7 watts output on LSB?USB with the
> mic gain control
> on maximum. Anyone have any ideas about happened?
> However, I still
> get about 100 watts output on CW. Does it pay to
> get fixed or should
> I just use the rig for CW and buy another rig for
> sideband/rtty??
>
> Thanks for your responses.
> Aaron
>
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"If in doubt, MODIFY" --k0zl

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2499. SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-17 22:31:25 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2499 Message: 2499

My MC-50 is supposed to arrive tomorrow (10/18). If anyone is interested, lemme know your preference 40 or 20. I will probably be expirementing with SSB for the first time ever in my life. I will probably try both bands. I will probably be operating around 8:30pm Chicago time. If anyone is interested in seeing if I can conjour some of that "Kenwood audio" with my 520s and "new" MC-50 lemme know. If you want to be a first time phone QSO or even just make fun of me as I try to make it work, that is OK too. 73

Sean - WA2LKV

_____
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http://search.msn.click-url.com/go/onm00200636ave/direct/01/

2500. TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-17 23:10:27 UTC
From: zululima2003
Topic: 2500 Message: 2500

Over the years the correlation between my digital readout and the analogue dial has been lost. Currently they are 5kz apart. This is referring to the lit numbered scale - not the slip ring!
Any ideas how to 'adjust' the analogue scale to more accurately align with the (correct) digital readout?
Thanks
Bill
ZL2BGX

2501. Re: TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 00:00:11 UTC
From: pchapman9202003
Topic: 2500 Message: 2501

Mine was off a couple of months ago and I did something with the
slip ring to get them together, but cannot remember what.

--- In TS-520_820_530_830@yahoogroups.com, "zululima2003"
<zl2bgx@n...> wrote:
>
> Over the years the correlation between my digital readout and the
> analogue dial has been lost. Currently they are 5kz apart. This is
> referring to the lit numbered scale - not the slip ring!
> Any ideas how to 'adjust' the analogue scale to more accurately
align
> with the (correct) digital readout?
> Thanks
> Bill
> ZL2BGX

2502. Re: [TS-520_820_530_830] Re: TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 01:46:03 UTC
From: Eric Webner
Topic: 2500 Message: 2502

Is it like the slip ring on the TS-520 (analog only) where you hold the tuning knob in place while turning the outer ring?

pchapman9202003 <p_chap@...> wrote:
Mine was off a couple of months ago and I did something with the
slip ring to get them together, but cannot remember what.

--- In TS-520_820_530_830@yahoogroups.com, "zululima2003"
<zl2bgx@n...> wrote:
>
> Over the years the correlation between my digital readout and the
> analogue dial has been lost. Currently they are 5kz apart. This is
> referring to the lit numbered scale - not the slip ring!
> Any ideas how to 'adjust' the analogue scale to more accurately
align
> with the (correct) digital readout?
> Thanks
> Bill
> ZL2BGX

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[Non-text portions of this message have been removed]

2503. SLOW SSB RETURN TO RECEIVE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 02:41:42 UTC
From: neoshomi@yahoo.com
Topic: 2503 Message: 2503

After xmt it takes a few seconds ro return to receive when I unkey the mic. Don't see a reference in the owners manual. Jerry AC0AJ

2504. Thanks Bill

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 11:39:12 UTC
From: abroges
Topic: 2504 Message: 2504

Thanks Bill,
When I connect to a dummy load and whsitle through the mike there is no output. Interestingly enough, the vox works fine. I worked the rest of the rtty contest with about 7 watts output and made contacts in Europe and across the USA, QRP style. I will try the mike continuity to ground like you suggested. Maybe something happened in the the mike amplifier circuit.
Thanks again, 73 de
Aaron - WC2C

2505. Re: SLOW SSB RETURN TO RECEIVE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 14:19:05 UTC
From: pchapman9202003
Topic: 2503 Message: 2505

which rig?

--- In TS-520_820_530_830@yahoogroups.com, neoshomi@y... wrote:
>
> After xmt it takes a few seconds ro return to receive when I unkey
> the mic. Don't see a reference in the owners manual. Jerry AC0AJ

2506. Re: [TS-520_820_530_830] SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 16:48:04 UTC
From: Bill K0ZL
Topic: 2499 Message: 2506

20 is good, what lic. class you have? Adv band is
good, extra band even better for no qrm

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

>
> My MC-50 is supposed to arrive tomorrow (10/18). If
> anyone is interested,
> lemme know your preference 40 or 20. I will probably
> be expirementing with
> SSB for the first time ever in my life. I will
> probably try both bands. I
> will probably be operating around 8:30pm Chicago
> time. If anyone is
> interested in seeing if I can conjour some of that
> "Kenwood audio" with my
> 520s and "new" MC-50 lemme know. If you want to be a
> first time phone QSO or
> even just make fun of me as I try to make it work,
> that is OK too. 73
>
> Sean - WA2LKV
>
>

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2507. Re: [TS-520_820_530_830] TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 16:49:26 UTC
From: Bill K0ZL
Topic: 2500 Message: 2507

Bill there is a trimmer cap in the VFO under the
silver foil that you can access to bring the dial back
in. Calibrate your counter against WWV or another
standard first.

Re-cover the hole with Scotch (tm)_ brand tape after
adjustment; this will reduce temp drift from air
currents.
73,

Bill
--- zululima2003 <zl2bgx@...> wrote:

>
> Over the years the correlation between my digital
> readout and the
> analogue dial has been lost. Currently they are 5kz
> apart. This is
> referring to the lit numbered scale - not the slip
> ring!
> Any ideas how to 'adjust' the analogue scale to more
> accurately align
> with the (correct) digital readout?
> Thanks
> Bill
> ZL2BGX
>
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2508. Re: [TS-520_820_530_830] SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 17:08:43 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2499 Message: 2508

I am but a General...though my Extra book is on the way. 20 is good with me. Would you consider 14.250 or as close as qrm will allow at about 8:30 CST? The mic has not shown up yet but I will email you as well as the list when and if it shows up today. If you don't hear from me, please go about your business.

Thanks,

Sean - WA2LKV

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] SSB virgin
>Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
>
>
>20 is good, what lic. class you have? Adv band is
>good, extra band even better for no qrm
>
>
>b
>
>--- "Sean.....He's the cat that won't cop out even
>when there's danger all about....."
><seanfried@...> wrote:
>
> >
> > My MC-50 is supposed to arrive tomorrow (10/18). If
> > anyone is interested,
> > lemme know your preference 40 or 20. I will probably
> > be expiremented with
> > SSB for the first time ever in my life. I will
> > probably try both bands. I
> > will probably be operating around 8:30pm Chicago
> > time. If anyone is
> > interested in seeing if I can conjour some of that
> > "Kenwood audio" with my
> > 520s and "new" MC-50 lemme know. If you want to be a
> > first time phone QSO or
> > even just make fun of me as I try to make it work,
> > that is OK too. 73
> >
> > Sean - WA2LKV
> >
> >

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2509. Re: [TS-520_820_530_830] SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 21:51:10 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2499 Message: 2509

Hi Bill...and anyone else interested,

My wife called and said the mic arrived at my house. So...I will be trying
to conjour a nice signal on 14.250 at 8:30ish Chicago time. If the frequency
is occupied I will be near by.

Thanks,

Sean - WA2LKV

>From: "Sean.....He's the cat that won't cop out even when there's danger
>all about....." <seanfried@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] SSB virgin
>Date: Mon, 18 Oct 2004 12:08:43 -0500
>
>
>I am but a General...though my Extra book is on the way. 20 is good with
>me.
>Would you consider 14.250 or as close as qrm will allow at about 8:30 CST?
>The mic has not shown up yet but I will email you as well as the list when
>and if it shows up today. If you don't hear from me, please go about your
>business.
>
>Thanks,
>
>Sean - WA2LKV
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin
> >Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
> >
> >
> >20 is good, what lic. class you have? Adv band is
> >good, extra band even better for no qrm
> >
> >
> >b
> >
> >--- "Sean.....He's the cat that won't cop out even
> >when there's danger all about....."
> ><seanfried@...> wrote:
> >

> > >
> > > My MC-50 is supposed to arrive tomorrow (10/18). If
> > > anyone is interested,
> > > lemme know your preference 40 or 20. I will probably
> > > be expirementing with
> > > SSB for the first time ever in my life. I will
> > > probably try both bands. I
> > > will probably be operating around 8:30pm Chicago
> > > time. If anyone is
> > > interested in seeing if I can conjour some of that
> > > "Kenwood audio" with my
> > > 520s and "new" MC-50 lemme know. If you want to be a
> > > first time phone QSO or
> > > even just make fun of me as I try to make it work,
> > > that is OK too. 73
> > >
> > > Sean - WA2LKV
> > >
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2510. RE: [TS-520_820_530_830] SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-18 22:31:41 UTC
From: Ron Kienzle
Topic: 2499 Message: 2510

I'll be there.

--Ron (KZ7P)

> -----Original Message-----
> From: Sean.....He's the cat that won't cop out even when there's danger
> all about..... [mailto:seanfried@...]
> Sent: Monday, October 18, 2004 5:51 PM
> To: TS-520_820_530_830@yahoogroups.com
> Cc: coorsbill@...
> Subject: Re: [TS-520_820_530_830] SSB virgin
>
>
>
> Hi Bill...and anyone else interested,
>
> My wife called and said the mic arrived at my house. So...I will
> be trying
> to conjour a nice signal on 14.250 at 8:30ish Chicago time. If
> the frequency
> is occupied I will be near by.
>
> Thanks,
>
> Sean - WA2LKV
>
> >From: "Sean.....He's the cat that won't cop out even when there's danger
> >all about....." <seanfried@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin
> >Date: Mon, 18 Oct 2004 12:08:43 -0500
> >
> >
> >I am but a General...though my Extra book is on the way. 20 is good with
> >me.
> >Would you consider 14.250 or as close as qrm will allow at about
> 8:30 CST?
> >The mic has not shown up yet but I will email you as well as the
> list when
> >and if it shows up today. If you don't hear from me, please go about your
> >business.
> >
> >Thanks,
> >

> >Sean - WA2LKV
> >
> > >From: Bill K0ZL <coorsbill@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] SSB virgin
> > >Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
> > >
> > >
> > >20 is good, what lic. class you have? Adv band is
> > >good, extra band even better for no qrm
> > >
> > >
> > >b
> > >
> > >--- "Sean.....He's the cat that won't cop out even
> > >when there's danger all about....."
> > ><seanfried@...> wrote:
> > >
> > > >
> > > > My MC-50 is supposed to arrive tomorrow (10/18). If
> > > > anyone is interested,
> > > > lemme know your preference 40 or 20. I will probably
> > > > be expirementing with
> > > > SSB for the first time ever in my life. I will
> > > > probably try both bands. I
> > > > will probably be operating around 8:30pm Chicago
> > > > time. If anyone is
> > > > interested in seeing if I can conjour some of that
> > > > "Kenwood audio" with my
> > > > 520s and "new" MC-50 lemme know. If you want to be a
> > > > first time phone QSO or
> > > > even just make fun of me as I try to make it work,
> > > > that is OK too. 73
> > > >
> > > > Sean - WA2LKV
> > > >
> > > >
> > >_____
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2511. Re: [TS-520_820_530_830] SLOW SSB RETURN TO RECEIVE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 00:31:38 UTC
From: Bill K0ZL
Topic: 2503 Message: 2511

Clean the T/R relay first.

Use Cailube MCL or DeOxIt, apply sparingly to the
contacts, then draw a sliver of bond paper (dollar
bill works well, about 3/4" long by 1/8" sliver in a
pair of hemostats... for 1.00 you get about 100
strips! hi)

b

--- neoshomi@... wrote:

>
> After xmt it takes a few seconds ro return to
> receive when I unkey
> the mic. Don't see a reference in the owners manual.
> Jerry AC0AJ
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2512. SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 01:53:54 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2512 Message: 2512

Hi guys,

It is now 8:52. It took me a little while to get going. In my excitement I tuned the radio on 15 instead of 20. Anyway I was on 14.250 by 8:40. I didn't hear y'all but I didn't hear anyone else either. I am very, very sorry if you showed up and I missed you. I am going to go back down and listen for a bit longer and then try 40 (just listen for the guy with his vox delay all goofy).

Thanks and all apologies if I showed up too late.

Sean - WA2LKV

>From: "Ron Kienzle" <ron@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: <TS-520_820_530_830@yahoogroups.com>
>Subject: RE: [TS-520_820_530_830] SSB virgin
>Date: Mon, 18 Oct 2004 18:31:41 -0400
>
>I'll be there.
>
>--Ron (KZ7P)
>
>
>
> > -----Original Message-----
> > From: Sean.....He's the cat that won't cop out even when there's danger
> > all about..... [mailto:seanfried@...]
> > Sent: Monday, October 18, 2004 5:51 PM
> > To: TS-520_820_530_830@yahoogroups.com
> > Cc: coorsbill@...
> > Subject: Re: [TS-520_820_530_830] SSB virgin
> >
> >
> >
> > Hi Bill...and anyone else interested,
> >
> > My wife called and said the mic arrived at my house. So...I will
> > be trying
> > to conjour a nice signal on 14.250 at 8:30ish Chicago time. If
> > the frequency
> > is occupied I will be near by.
> >
> > Thanks,
> >
> > Sean - WA2LKV

> >
> > >From: "Sean.....He's the cat that won't cop out even when there's
>danger
> > >all about....." <seanfried@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] SSB virgin
> > >Date: Mon, 18 Oct 2004 12:08:43 -0500
> > >
> > >
> > >I am but a General...though my Extra book is on the way. 20 is good
>with
> > >me.
> > >Would you consider 14.250 or as close as qrm will allow at about
> > 8:30 CST?
> > >The mic has not shown up yet but I will email you as well as the
> > list when
> > >and if it shows up today. If you don't hear from me, please go about
>your
> > >business.
> > >
> > >Thanks,
> > >
> > >Sean - WA2LKV
> > >
> > > >From: Bill K0ZL <coorsbill@...>
> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
> > > >Subject: Re: [TS-520_820_530_830] SSB virgin
> > > >Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
> > > >
> > > >
> > > >20 is good, what lic. class you have? Adv band is
> > > >good, extra band even better for no qrm
> > > >
> > > >
> > > >b
> > > >
> > > >--- "Sean.....He's the cat that won't cop out even
> > > >when there's danger all about....."
> > > ><seanfried@...> wrote:
> > > >
> > > > > My MC-50 is supposed to arrive tomorrow (10/18). If
> > > > > anyone is interested,
> > > > > lemme know your preference 40 or 20. I will probably
> > > > > be expirementing with
> > > > > SSB for the first time ever in my life. I will
> > > > > probably try both bands. I
> > > > > will probably be operating around 8:30pm Chicago

> > > > > time. If anyone is
> > > > > interested in seeing if I can conjour some of that
> > > > > "Kenwood audio" with my
> > > > > 520s and "new" MC-50 lemme know. If you want to be a
> > > > > first time phone QSO or
> > > > > even just make fun of me as I try to make it work,
> > > > > that is OK too. 73
> > > > >
> > > > > Sean - WA2LKV
> > > > >
> > > > >
> > > >____
> > > > > Don’t just search. Find. Check out the new MSN
> > > > > Search!
> > > > >
> > > >http://search.msn.click-url.com/go/onm00200636ave/direct/01/
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> > > > >
> > > > > ------------------------ Yahoo! Groups Sponsor
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> > > > >
> > > > > Yahoo! Groups Links
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> > > > > http://groups.yahoo.com/group/TS-520_820_530_830/
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> > > > > TS-520_820_530_830-unsubscribe@yahoogroups.com
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> > > > >
> > > >=====
> > > > >
> > > >"If in doubt, MODIFY" --k0zl
> > > > >
> > > >Need a tech? See our website www.amateur-repairs.com
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> > > > >
> > > >_____________________________________
> > > >Do you Yahoo!?
> > > >Yahoo! Mail Address AutoComplete - You start. We finish.

> > > >http://promotions.yahoo.com/new_mail
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> > > >Yahoo! Groups Links
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> > >____
> > >Don’t just search. Find. Check out the new MSN Search!
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> > >Yahoo! Groups Links
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> > ____
> > Express yourself instantly with MSN Messenger! Download today -
> > it's FREE!
> > http://messenger.msn.click-url.com/go/onm00200471ave/direct/01/
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Don?t just search. Find. Check out the new MSN Search!
http://search.msn.click-url.com/go/onm00200636ave/direct/01/

2513. SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 01:54:38 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2512 Message: 2513

Hi guys,

It is now 8:52. It took me a little while to get going. In my excitement I tuned the radio on 15 instead of 20. Anyway I was on 14.250 by 8:40. I didn't hear y'all but I didn't hear anyone else either. I am very, very sorry if you showed up and I missed you. I am going to go back down and listen for a bit longer and then try 40 (just listen for the guy with his vox delay all goofy).

Thanks and all apologies if I showed up too late.

Sean - WA2LKV

>From: "Ron Kienzle" <ron@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: <TS-520_820_530_830@yahoogroups.com>
>Subject: RE: [TS-520_820_530_830] SSB virgin
>Date: Mon, 18 Oct 2004 18:31:41 -0400
>
>I'll be there.
>
>--Ron (KZ7P)
>
>
>
> > -----Original Message-----
> > From: Sean.....He's the cat that won't cop out even when there's danger
> > all about..... [mailto:seanfried@...]
> > Sent: Monday, October 18, 2004 5:51 PM
> > To: TS-520_820_530_830@yahoogroups.com
> > Cc: coorsbill@...
> > Subject: Re: [TS-520_820_530_830] SSB virgin
> >
> >
> >
> > Hi Bill...and anyone else interested,
> >
> > My wife called and said the mic arrived at my house. So...I will
> > be trying
> > to conjour a nice signal on 14.250 at 8:30ish Chicago time. If
> > the frequency
> > is occupied I will be near by.
> >
> > Thanks,
> >
> > Sean - WA2LKV

> >
> > >From: "Sean.....He's the cat that won't cop out even when there's
>danger
> > >all about....." <seanfried@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] SSB virgin
> > >Date: Mon, 18 Oct 2004 12:08:43 -0500
> > >
> > >
> > >I am but a General...though my Extra book is on the way. 20 is good
>with
> > >me.
> > >Would you consider 14.250 or as close as qrm will allow at about
> > 8:30 CST?
> > >The mic has not shown up yet but I will email you as well as the
> > list when
> > >and if it shows up today. If you don't hear from me, please go about
>your
> > >business.
> > >
> > >Thanks,
> > >
> > >Sean - WA2LKV
> > >
> > > >From: Bill K0ZL <coorsbill@...>
> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
> > > >Subject: Re: [TS-520_820_530_830] SSB virgin
> > > >Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
> > > >
> > > >
> > > >20 is good, what lic. class you have? Adv band is
> > > >good, extra band even better for no qrm
> > > >
> > > >
> > > >b
> > > >
> > > >--- "Sean.....He's the cat that won't cop out even
> > > >when there's danger all about....."
> > > ><seanfried@...> wrote:
> > > >
> > > > > My MC-50 is supposed to arrive tomorrow (10/18). If
> > > > > anyone is interested,
> > > > > lemme know your preference 40 or 20. I will probably
> > > > > be expirementing with
> > > > > SSB for the first time ever in my life. I will
> > > > > probably try both bands. I
> > > > > will probably be operating around 8:30pm Chicago

> > > > > time. If anyone is
> > > > > interested in seeing if I can conjour some of that
> > > > > "Kenwood audio" with my
> > > > > 520s and "new" MC-50 lemme know. If you want to be a
> > > > > first time phone QSO or
> > > > > even just make fun of me as I try to make it work,
> > > > > that is OK too. 73
> > > > >
> > > > > Sean - WA2LKV
> > > > >
> > > > >
> > > > >_____
> > > > > Don’t just search. Find. Check out the new MSN
> > > > > Search!
> > > > >
> > > >http://search.msn.click-url.com/go/onm00200636ave/direct/01/
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> > > > >
> > > > > Yahoo! Groups Links
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> > > > > http://groups.yahoo.com/group/TS-520_820_530_830/
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> > > > > TS-520_820_530_830-unsubscribe@yahoogroups.com
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> > > >=====
> > > > >
> > > >"If in doubt, MODIFY" --k0zl
> > > > >
> > > >Need a tech? See our website www.amateur-repairs.com
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> > > >_____
> > > >Do you Yahoo!?
> > > >Yahoo! Mail Address AutoComplete - You start. We finish.

> > > >http://promotions.yahoo.com/new_mail
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> > >Yahoo! Groups Links
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FREE pop-up blocking with the new MSN Toolbar ? get it now!
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2514. Re: [TS-520_820_530_830] SSB virgin

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 02:06:37 UTC
From: Bill K0ZL
Topic: 2499 Message: 2514

Sean I am on there now but the band sounds doa...

bill

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

>
> I am but a General...though my Extra book is on the
> way. 20 is good with me.
> Would you consider 14.250 or as close as qrm will
> allow at about 8:30 CST?
> The mic has not shown up yet but I will email you as
> well as the list when
> and if it shows up today. If you don't hear from me,
> please go about your
> business.
>
> Thanks,
>
> Sean - WA2LKV
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin
> >Date: Mon, 18 Oct 2004 09:48:04 -0700 (PDT)
> >
> >
> >20 is good, what lic. class you have? Adv band is
> >good, extra band even better for no qrm
> >
> >
> >b
> >
> >--- "Sean.....He's the cat that won't cop out even
> >when there's danger all about....."
> ><seanfried@...> wrote:
> >
> > > >
> > > My MC-50 is supposed to arrive tomorrow (10/18).
> If
> > > anyone is interested,
> > > lemme know your preference 40 or 20. I will
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> > > SSB for the first time ever in my life. I will
> > > probably try both bands. I
> > > will probably be operating around 8:30pm Chicago
> > > time. If anyone is
> > > interested in seeing if I can conjour some of
> that
> > > "Kenwood audio" with my
> > > 520s and "new" MC-50 lemme know. If you want to
> be a
> > > first time phone QSO or
> > > even just make fun of me as I try to make it
> work,
> > > that is OK too. 73
> > >
> > > Sean - WA2LKV
> > >
> > >
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>_____
> > > Don?t just search. Find. Check out the new MSN
> > > Search!
> > >
>
>http://search.msn.click-url.com/go/onm00200636ave/direct/01/
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> > > Yahoo! Groups Links
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> > >
> http://groups.yahoo.com/group/TS-520_820_530_830/
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> > >
> TS-520_820_530_830-unsubscribe@yahoogroups.com
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> >=====
> >
> >"If in doubt, MODIFY" --k0zl

> >
> >Need a tech? See our website
> www.amateur-repairs.com
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> >_____________________________
> >Do you Yahoo!?
> >Yahoo! Mail Address AutoComplete - You start. We
> finish.
> >http://promotions.yahoo.com/new_mail
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> >Yahoo! Groups Links
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> Don?t just search. Find. Check out the new MSN
> Search!
>
http://search.msn.click-url.com/go/onm00200636ave/direct/01/
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> $9.95 domain names from Yahoo!. Register anything.
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> Yahoo! Groups Links
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> http://groups.yahoo.com/group/TS-520_820_530_830/
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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"If in doubt, MODIFY" --k0zl

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Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

2515. Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 12:38:13 UTC
From: n0wjh@wmconnect.com
Topic: 2512 Message: 2515

try 40 meters or 80 with the sunspot cycle the way it is ect ect ... terry
N0WJH

[Non-text portions of this message have been removed]

2516. SSB virgin - 20 DEAD? - try again

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 20:17:37 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2516 Message: 2516

Right you are. I am going to try 40 this evening (10/19). I will be in the General portion. I can't say where exactly...probably up toward 7.300 as that seems to be the area with the most space free of foreign broadcast. 8:30ish central time again.

>From: n0wjh@...
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?
>Date: Tue, 19 Oct 2004 08:38:13 EDT
>
>try 40 meters or 80 with the sunspot cycle the way it is ect ect ... terry
>N0WJH
>
>
>[Non-text portions of this message have been removed]
>

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http://messenger.msn.click-url.com/go/onm00200471ave/direct/01/

2517. WTB TS830S IF Board

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 20:51:17 UTC
From: akshay daniel
Topic: 2517 Message: 2517

A pretty long shot, but it neevr hurts to try!

Anyone parting out or having an IF board for the
TS830S? I am desparately in need of one of these. What
happened to mine is a long story!

Will pay top$ and provide a US Shipping address and
payment by family in Boston.

73,
Ron, 4S7RO

Do you Yahoo!?
Declare Yourself - Register online to vote today!
http://vote.yahoo.com

2518. RE: [TS-520_820_530_830] WTB TS830S IF Board

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 21:18:37 UTC
From: Brent Baum
Topic: 2517 Message: 2518

Sometimes the long story will help the rest of us avoid the same error, unless you would rather not.
73, K7MEI Brent

-----Original Message-----
From: akshay daniel [mailto:danielakshay@...]
Sent: Tuesday, October 19, 2004 2:51 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] WTB TS830S IF Board

A pretty long shot, but it neevr hurts to try!

Anyone parting out or having an IF board for the
TS830S? I am desparately in need of one of these. What
happened to mine is a long story!

Will pay top$ and provide a US Shipping address and
payment by family in Boston.

73,
Ron, 4S7RO

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<http://us.adserver.yahoo.com/l?M=315388.5500238.6578046.3001176/D=groups/S=:HM/A=2372354/rand=730417708>

Yahoo! Groups Links

* To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

* To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
<mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
<http://docs.yahoo.com/info/terms/> .

[Non-text portions of this message have been removed]

2519. RE: [TS-520_820_530_830] WTB TS830S IF Board

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 21:32:34 UTC
From: Brian
Topic: 2517 Message: 2519

Indeed.

As in the case of someone a short time ago, claiming they REFUSE to use ebay "for personal reasons" and wished to obtain an "affordable" (on fixed income) replacement for their "beloved TS-520" that was destroyed in a "weather related" catastrophe.

In actuality, that person has a very active account on ebay, where he has been buying and selling lots of ham radio gear, and (at that time) currently had up for auction the very same "beloved TS-520" he was claiming on this list had been destroyed -- and, even using the same picture in his ebay listings that was posted on his QRZ lookup page!

In reality, I suspect he was trying to play on our emotions so that one of us would sell him a radio at a 'bargain price', so that he could turn around and sell it for profit on ebay.

So, yes... please, if you might, and if you have the time... do give us the details on your long story... ;)

73 de AI4AI,
- Brian

-----Original Message-----
From: Brent Baum [mailto:brent.baum@...]
Sent: Tuesday, October 19, 2004 5:19 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] WTB TS830S IF Board

Sometimes the long story will help the rest of us avoid the same error, unless you would rather not.
73, K7MEI Brent

-----Original Message-----
From: akshay daniel [mailto:danielakshay@...]
Sent: Tuesday, October 19, 2004 2:51 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] WTB TS830S IF Board

A pretty long shot, but it neevr hurts to try!

Anyone parting out or having an IF board for the TS830S? I am desparately in need of one of these. What happened to mine is a long story!

Will pay top$ and provide a US Shipping address and payment by family in Boston.

73,
Ron, 4S7R0

_____

2520. Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 21:58:03 UTC
From: Bill K0ZL
Topic: 2512 Message: 2520

20 IS HOT today, worked guy in GA on 1 watt PEP at
about 9AM.

K0ZL denver

--- n0wjh@... wrote:

> try 40 meters or 80 with the sunspot cycle the way
> it is ect ect ... terry
> N0WJH
>
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
Do you Yahoo!?
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http://vote.yahoo.com

2521. Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-19 23:01:32 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2512 Message: 2521

OK, then I will start on 20. Better for me, that is what my antenna is designed for. I will try 14.250 first. Very often by the time I get home, yell at the wife, put the kids to bed and such 20 is dead. I only get to work 20 on the weekends. I will try 20 and if that is not hoppin' I will move to 40.

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?
>Date: Tue, 19 Oct 2004 14:58:03 -0700 (PDT)
>
>20 IS HOT today, worked guy in GA on 1 watt PEP at
>about 9AM.
>
>K0ZL denver
>
>--- n0wjh@... wrote:
>
> > try 40 meters or 80 with the sunspot cycle the way
> > it is ect ect ... terry
> > N0WJH
> >
> >
> > [Non-text portions of this message have been
> > removed]
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>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
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2522. Re: [TS-520_820_530_830] SSB virgin - 20 DEAD? - try again

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-20 02:15:33 UTC
From: Bill K0ZL
Topic: 2516 Message: 2522

40?? clear of broadcasters? hehehehehehe

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> Right you are. I am going to try 40 this evening
> (10/19). I will be in the
> General portion. I can't say where
> exactly...probably up toward 7.300 as
> that seems to be the area with the most space free
> of foreign broadcast.
> 8:30ish central time again.
>
> >From: n0wjh@...
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin - 20
> DEAD?
> >Date: Tue, 19 Oct 2004 08:38:13 EDT
> >
> >try 40 meters or 80 with the sunspot cycle the way
> it is ect ect ... terry
> >N0WJH
> >
> >
> >[Non-text portions of this message have been
> removed]
> >
>
>

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"If in doubt, MODIFY" --k0zl

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2525. Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-20 02:28:18 UTC
From: Bill K0ZL
Topic: 2512 Message: 2525

Sean what is your callsign?

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> OK, then I will start on 20. Better for me, that is
> what my antenna is
> designed for. I will try 14.250 first. Very often by
> the time I get home,
> yell at the wife, put the kids to bed and such 20 is
> dead. I only get to
> work 20 on the weekends. I will try 20 and if that
> is not hoppin' I will
> move to 40.
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin - 20
> DEAD?
> >Date: Tue, 19 Oct 2004 14:58:03 -0700 (PDT)
> >
> >20 IS HOT today, worked guy in GA on 1 watt PEP at
> >about 9AM.
> >
> >K0ZL denver
> >
> >--- n0wjh@... wrote:
> >
> > > try 40 meters or 80 with the sunspot cycle the
> way
> > > it is ect ect ... terry
> > > N0WJH
> > >
> > >
> > > [Non-text portions of this message have been
> > > removed]
> > >
> > >
> >
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl

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2528. RE: [TS-520_820_530_830] WTB TS830S IF Board

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-20 05:55:23 UTC
From: akshay daniel
Topic: 2517 Message: 2528

Hello Brian & others interested....

I had a problem with one of the Molex connectors (I think its no.14 on the IF board) that carries 300V on one pin and the AGC on the other. I made a stupid mistake by adapting another kind of connector. It was ok as long as I used the rig, but a mishap by a gentlemen I loaned the rig to, resulted in 300V on the AGC line. The TX works fine, but the RX is dead and the s meter is end pegged. I suspect it killed all the FETs in the IF chain.

I replaced the AGC transistor, the meter drivers and a few more FETs and TRs, but it (RX) was still dead. I spent days over this and finally decided that it would be easier for me to replace the board. As I mentioned to Bill (K0ZL) even before you made your posting suspicious of my intentions, this board already had been messed up by the previous owner and the PCB track did never looked very pretty!

As the rig is pretty good except for the IF board, I would like to see if I can find a replacement.

Again, sorry for the bandwidth, but I guess I had to explain what happened to my "beloved" 830!

It is always easy to explain when it is the truth. I am human and I react, but ideally, I should not be bothered by what anyone says, as long as I am honest in the eyes of God. I can only rest assured that the others on this reflector will understand my intentions better than you have.

73,
Ron, 4S7RO

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2530. Evolution of the Kenwood line TS-520 toTS-830 and their differences.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-20 11:54:45 UTC
From: tetrodehead
Topic: 2530 Message: 2530

Hi all,
Is there a web item that gives dates of production and differences in
the subject radios?
If not, could Bill please briefly lay it out chronologicaly?
Thanks
Dave

2531. RE: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-20 13:20:42 UTC
From: Ron Kienzle
Topic: 2512 Message: 2531

Well, both 20 and 40 were dead for me here in Ohio. Sorry.

73,

--Ron (KZ7P)

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Tuesday, October 19, 2004 10:28 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] SSB virgin - 20 DEAD?

Sean what is your callsign?

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> OK, then I will start on 20. Better for me, that is
> what my antenna is
> designed for. I will try 14.250 first. Very often by
> the time I get home,
> yell at the wife, put the kids to bed and such 20 is
> dead. I only get to
> work 20 on the weekends. I will try 20 and if that
> is not hoppin' I will
> move to 40.
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] SSB virgin - 20
> DEAD?
> >Date: Tue, 19 Oct 2004 14:58:03 -0700 (PDT)
> >
> >20 IS HOT today, worked guy in GA on 1 watt PEP at
> >about 9AM.
> >
> >K0ZL denver
> >
> >--- n0wjh@... wrote:
> >
> > > try 40 meters or 80 with the sunspot cycle the
> way
> > > it is ect ect ... terry
> > > N0WJH

> > >
> > >
> > > [Non-text portions of this message have been
> > > removed]
> > >
> > >
> >
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >
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"If in doubt, MODIFY" --k0zl

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2533. Re: TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-21 21:59:17 UTC
From: zululima2003
Topic: 2500 Message: 2533

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Bill there is a trimmer cap in the VFO under the
> silver foil that you can access to bring the dial back
> in. Calibrate your counter against WWV or another
> standard first.
>
> Re-cover the hole with Scotch (tm)_ brand tape after
> adjustment; this will reduce temp drift from air
> currents.
> 73,
>
> Bill
> --- zululima2003 <zl2bgx@n...> wrote:
>
> >
> > Over the years the correlation between my digital
> > readout and the
> > analogue dial has been lost. Currently they are 5kz
> > apart. This is
> > referring to the lit numbered scale - not the slip
> > ring!
> > Any ideas how to 'adjust' the analogue scale to more
> > accurately align
> > with the (correct) digital readout?
> > Thanks
> > Bill
> > ZL2BGX
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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>
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>

> _____
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2534. Update on TS-520 with TX problem - Microphone recommendation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-22 00:18:44 UTC
From: Charles Kaross
Topic: 2534 Message: 2534

I bought a dummy load and borrowed a scope from a friend. Spent a Saturday a couple of weeks back going over this rig.
Seems that an intermittent mode switch was the main problem.
Cleaned all switches and controls and was able to go through the tune up procedure and get the expected results.
Also peaked the coils underneath following the alignment procedure in the manual which seems to have brought up the receive, especially on 15m. Also, DRIVE control needs less adjustment for max. RX sensitivity on all bands.
Looks like it is transmitting, although I don't have a wattmeter to measure the output power
Didn't have a chance to put it on the air yet, but plan to do that using my neighbor's beam.

The mic that was provided with the rig looks like it came from an old Pace CB set and although it works, I'm looking to get something better.
I am leaning to the standard MC-50 and have found a few available on eBay that I am watching.

I was wondering if anyone had any recommendations other than the MC-50, or am I better off sticking with it? Understand this rig needs a high Z mic, and am interested in what the group has to say.

Charles Kaross
KE5AVC

2535. RE: [TS-520_820_530_830] Update on TS-520 with TX problem - Microphone recommendation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-21 14:32:09 UTC
From: Bill Gerhold
Topic: 2534 Message: 2535

Get the MC-50. It is an excellent Hi Z mic for the 520. No other mic
is
required.

73 from K2WH
Hallicrafters, The Radio Mans Radio
<http://groups.yahoo.com/group/The19Group/>
http://groups.yahoo.com/group/The19Group/

-----Original Message-----
From: Charles Kaross [mailto:ckaross@...]
Sent: Friday, October 22, 2004 6:19 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Update on TS-520 with TX problem -
Microphone recommendation?

I bought a dummy load and borrowed a scope from a friend. Spent a
Saturday a couple of weeks back going over this rig.
Seems that an intermittent mode switch was the main problem.
Cleaned all switches and controls and was able to go through the tune
up procedure and get the expected results.
Also peaked the coils underneath following the alignment procedure in
the manual which seems to have brought up the receive, especially on
15m. Also, DRIVE control needs less adjustment for max. RX
sensitivity on all bands.
Looks like it is transmitting, although I don't have a wattmeter to
measure the output power
Didn't have a chance to put it on the air yet, but plan to do that
using my neighbor's beam.

The mic that was provided with the rig looks like it came from an old
Pace CB set and although it works, I'm looking to get something
better.
I am leaning to the standard MC-50 and have found a few available on
eBay that I am watching.

I was wondering if anyone had any recommendations other than the MC-
50, or am I better off sticking with it? Understand this rig needs a
high Z mic, and am interested in what the group has to say.

Charles Kaross
KE5AVC

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<http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=149743706>

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[Non-text portions of this message have been removed]

2536. Re: [TS-520_820_530_830] Evolution of the Kenwood line TS-520 toTS-830 and their differences.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-22 14:30:26 UTC
From: Bill K0ZL
Topic: 2530 Message: 2536

Not that I know of. Take a look at Rigpix, they may
have the original manuf's datasheets you can look at.

b

--- tetrodehead <dave.crooks@...> wrote:

>
> Hi all,
> Is there a web item that gives dates of production
> and differences in
> the subject radios?
> If not, could Bill please briefly lay it out
> chronologicaly?
> Thanks
> Dave
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2537. SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-23 15:59:04 UTC
From: tetrodehead
Topic: 2537 Message: 2537

Hi all,
Another one for Bill.
This dummy is looking at dummy loads but the connectors have me
confused.
The Kenwood has an SO239 socket which requires a PL259 plug(I think?).
Some dummy loads have an "N" connector.
The What is an "N" connector??
Cheers
Dave

2538. Re: [TS-520_820_530_830] SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-24 13:45:19 UTC
From: Paul Manuel
Topic: 2537 Message: 2538

--- tetrodehead <dave.crooks@...> wrote:>
> Hi all,
> Another one for Bill.
> This dummy is looking at dummy loads but the connectors have me
> confused.
> The Kenwood has an SO239 socket which requires a PL259 plug(I think?).
> Some dummy loads have an "N" connector.
> The What is an "N" connector??

I'm not Bill, but I'll answer.
An "N" connector is a different type of coaxial connector, most commonly seen in commercial VHF and UHF equipment, but sometimes used on high-end amateur equipment at VHF and UHF. It has much lower loss than the SO239-PL259 type, but is overkill at HF.
You would need an adapter to use it with a PL259, so you probably don't want that, although you could make or buy a cable with a PL259 on one end and an "N" on the other.
73,
Paul K4PDM

_____
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2539. RE: [TS-520_820_530_830] SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-24 03:27:07 UTC
From: Bill Gerhold
Topic: 2537 Message: 2539

The □N□ connector is simply another coax connector. The difference is not only

mechanical but also in the way it is seen by RF energy. The PL-259 is known

as a non-constant impedance connector whereas the □N□ connector is

known as a constant impedance connector.

This terminology is based upon the frequency of use with each connector. The

PL-259 starts to lose its usefulness around 300mhz. The □N□ connector is good

up through 900mhz. At HF frequencies, either connector is ok to use.

For the 520/820 series of radios, it makes no difference which connector you use

just as long as they are able to mate together.

73 from K2WH

Hallicrafters, The Radio Mans Radio

<http://groups.yahoo.com/group/The19Group/>
http://groups.yahoo.com/group/The19Group/

-----Original Message-----
From: tetrodehead [mailto:dave.crooks@...]
Sent: Saturday, October 23, 2004 21:59 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] SO239 connector.

Hi all,
Another one for Bill.
This dummy is looking at dummy loads but the connectors have me confused.
The Kenwood has an SO239 socket which requires a PL259 plug(I think?).
Some dummy loads have an "N" connector.
The What is an "N" connector??
Cheers
Dave

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[Non-text portions of this message have been removed]

2540. Re: SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-24 22:53:13 UTC
From: PERRY
Topic: 2537 Message: 2540

DAVE
THE N connector is another type than pl259 or so238 they have less loss and better for higher frequency operations

if you get a dummy load with N connectors on it they make an adapter so you can put your pl 259 on or if you go uhf you can use N type

If you run across a surplus dummy load or comerical one that has a N connector on it for a good price Grab it you can get an adapter at Radio Shack

Perry
WA8THK

--- In TS-520_820_530_830@yahoogroups.com, "tetrodehead" <dave.crooks@t...> wrote:
>
>
> Hi all,
> Another one for Bill.
> This dummy is looking at dummy loads but the connectors have me
> confused.
> The Kenwood has an SO239 socket which requires a PL259 plug(I think?).
> Some dummy loads have an "N" connector.
> The What is an "N" connector??
> Cheers
> Dave

2541. Orange Drop capacitors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-24 23:06:16 UTC
From: PERRY
Topic: 2541 Message: 2541

I have a SB 610 scope that (heathkit) that I need 2 .1 mf caps
at 1200 volts for the -1450v focus supply
I see in the Newark catalog Orange Drop Capacitors
just wondering if these would work in the voltage doubler ckt???
Perry WA8THK

2542. Re: SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-24 14:14:07 UTC
From: Jim
Topic: 2537 Message: 2542

Dave,

These links might prove instructive:

http://nocat.net/connectors.html

http://www.qsl.net/pnwvhfs/articles/beyondfm/beyond_fm8.htm

73,
Jim

--- In TS-520_820_530_830@yahoogroups.com, "tetrodehead"
<dave.crooks@t...> wrote:
>
>
> Hi all,
> Another one for Bill.
> This dummy is looking at dummy loads but the connectors have me
> confused.
> The Kenwood has an SO239 socket which requires a PL259 plug(I
think?).
> Some dummy loads have an "N" connector.
> The What is an "N" connector??
> Cheers
> Dave

2543. Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 03:47:35 UTC
From: kc9_max
Topic: 172 Message: 2543

Hi, names Mack, but since buddies at work have dubbed me with Mack "Attack" that is what I go by.
I am 50 years young and just recently received my general class ticket. Some might refer to me as a newbie
and would be more or less correct as far as being a licensed ham. I spent four years in the Navy as a Radioman, 1972-1976. In 1978 or there abouts I met someone who got me interested in amatuer radio. I bought a Kenwood 520 from him, that had been modified for 11 meter. The plan was to get my amatuer license, but in the mean time I could operate SSB on CB bands. Well I took a course from Heathkit for novice and tech and got my code up to about 13 wpm. But things happen, ie. daughter was born, we needed more room, bought another fixer upper, changed jobs several times and etc. etc. Long story short never got my license untill things settled down some. That was 25 year later! Some guys I work with got their licenses and listening to them rekindled my interest. I look forward to exploring the many new aspects of this hobby and being part of amateur radio and this group.
To get me started I have bought another Kenwood, a 530 this time and find it comfortably familar in appearance and operation to the 520, only with a few more bells and whistles. It worked fine when I bought it but since has devolped a problem. A brief description of problem: I hear no stations on any of the bands. The S meter shows a 9 DB signal and does not vary much when I turn RF gain up or down. I have noticed what looks like some signal activity that will show up as fluctuation between 9 and 15 on s meter, but still no audio. These problems developed after I took IF out to fix a loose connection that was affecting the RIT. I have ordered service manual from manuaman.com. If anyone has had similar experience or have some tips or advice please let me know. TIA and 73s.

2544. Re: [TS-520_820_530_830] SO239 connector.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 14:17:21 UTC
From: Bill K0ZL
Topic: 2537 Message: 2544

N connectors are best for UHF and above. They are
expensive and harder to install (for me) than
PL-259/SO-239.

Ham "standard" for HF up through 2M and most 450 apps
is the PL-259 plug mating to the SO-239 socket.

PL-259 is about 1.50 each; N connectors run 5-10 bucks
at hamfests, maybe less for older ones.

b

--- tetrodehead <dave.crooks@...> wrote:

>
>
> Hi all,
> Another one for Bill.
> This dummy is looking at dummy loads but the
> connectors have me
> confused.
> The Kenwood has an SO239 socket which requires a
> PL259 plug(I think?).
> Some dummy loads have an "N" connector.
> The What is an "N" connector??
> Cheers
> Dave
>
>
>
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>

=====

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2545. Hello to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 15:10:10 UTC
From: va3spx@rac.ca
Topic: 2545 Message: 2545

Hi,

Steve VA3SPX here.

I am the proud new owner of a Kenwood TS-820S.

I am looking forward to getting one or more HF antennas up soon.

Thanks,
Steve

2546. Re: [TS-520_820_530_830] Orange Drop capacitors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 15:14:14 UTC
From: Bill K0ZL
Topic: 2541 Message: 2546

Yes, they will work fine.
b

--- PERRY <wa8thk@...> wrote:

>
>
> I have a SB 610 scope that (heathkit) that I
> need 2 .1 mf caps
> at 1200 volts for the -1450v focus supply
> I see in the Newark catalog Orange Drop Capacitors
>
> just wondering if these would work in the voltage
> doubler ckt???
> Perry WA8THK
>
>
>
>
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>

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2547. Re: [TS-520_820_530_830] Hello to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 15:13:50 UTC
From: Dave & Loraine
Topic: 2545 Message: 2547

Hi Steve,
Me too!
Mine will arrive just before Xmas so I'll be busy with an 80m halfwave
dipole.
Cheers
Dave

2548. Re: [TS-520_820_530_830] N Connector info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-25 20:44:08 UTC
From: james27613@att.net
Topic: 2548 Message: 2548

Hi Dave,

This explains it better than I can !

http://www.amphenolrf.com/products/typen.asp

73 james ke4drn

> Another one for Bill.
> This dummy is looking at dummy loads but the connectors have me
> confused.
> The Kenwood has an SO239 socket which requires a PL259 plug(I think?).
> Some dummy loads have an "N" connector.
> The What is an "N" connector??
> Cheers
> Dave

2549. Re: [TS-520_820_530_830] Update on TS-520 with TX problem - Microphone recommendation?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 00:02:24 UTC
From: Eric Webner
Topic: 2534 Message: 2549

Hi Charles,

The MC-50 seems to be a good mike. I, however, have used for many years an Astatic D-104 microphone (the "lollipop" mike). It has worked very well for many years and generates good audio reports with my TS-520. I have seen many of these same mikes used with CBs and other radios. If you are interested in one, stay away from one of the amplified models -- you don't need or want the pre-amp.

Eric

Charles Kaross <ckaross@...> wrote:

I bought a dummy load and borrowed a scope from a friend. Spent a
Saturday a couple of weeks back going over this rig.
Seems that an intermittent mode switch was the main problem.
Cleaned all switches and controls and was able to go through the tune
up procedure and get the expected results.
Also peaked the coils underneath following the alignment procedure in
the manual which seems to have brought up the receive, especially on
15m. Also, DRIVE control needs less adjustment for max. RX
sensitivity on all bands.
Looks like it is transmitting, although I don't have a wattmeter to
measure the output power
Didn't have a chance to put it on the air yet, but plan to do that
using my neighbor's beam.

The mic that was provided with the rig looks like it came from an old
Pace CB set and although it works, I'm looking to get something
better.
I am leaning to the standard MC-50 and have found a few available on
eBay that I am watching.

I was wondering if anyone had any recommendations other than the MC-
50, or am I better off sticking with it? Understand this rig needs a
high Z mic, and am interested in what the group has to say.

Charles Kaross
KE5AVC

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To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

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[Non-text portions of this message have been removed]

2550. New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 01:26:22 UTC
From: Robert
Topic: 133 Message: 2550

Hello to all on the group. Thank you Bill for letting me into this esteemed gathering of individuals who obviously have great taste(ha).

I live in southern Oregon and have been into various things having to do with radio since I was BCB dxing starting around 10 years old. I'm also a musician and record my own music.

I am "almost" a Kenwood owner. I just purchased a 530SP/D...It should be in my mits by early next week!
Also I will be a General upon passing my code test next month. VERY much looking forward to getting on HF!!!

One thing I'm wondering is what does the "D" stand for in TS 530SP/D?

Robert
KD7AUB

2551. INFO: KENWOOD RADIO'S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 16:20:11 UTC
From: bob7255khz
Topic: 2551 Message: 2551

Hello everyone, this is my first posting but I always read the postings. I have to post some info here that will make everyone smile as much as I do.
I have a ts830s that has a billion trillion of hours on it....really. I never turn it off , it's on 24 hrs a day , 7 days a week and it is used daily to run a net that I am sometimes net controller of. It has the original finals in it and has all the original dail lights !!! Been running it like this for ten years plus. Every 6 mos or so I pop the cover and spray the fan with DEOXIT and also the band switch, thats been the only maint ever done.
The ts 830s and other older TS series radio's are the work horses of ham radio. I have had Collins (just sold over $6,000 Collins gear) also have Drakes , Icom's ,Yaesu etc , but the ts830 runs proud as hell against all of them. Infact , my XYL Mary N3YL prefer's the ts830 over every radio we have....first choice. We also have one 830 stored in it's original box , just incase this one would ever fail.
Just thought I'd share this info....my 2 cents.

73 BOB N3OO

2552. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 19:00:16 UTC
From: Bill K0ZL
Topic: 133 Message: 2552

Hi Robert,

Welcome to our highly es-steamed group! hi hi...

Slide guitarists sure are an odd lot...

Congrats on the General and the new rig.

The "D" stands for dillybopper, which the 530 did not
come with when stock.

73!

Bill K0ZL

--- Robert <kd7aub@...> wrote:

>
> Hello to all on the group. Thank you Bill for
> letting me into this
> esteemed gathering of individuals who obviously have
> great taste(ha).
>
> I live in southern Oregon and have been into various
> things having to
> do with radio since I was BCB dxing starting around
> 10 years old. I'm
> also a musician and record my own music.
>
> I am "almost" a Kenwood owner. I just purchased a
> 530SP/D...It should
> be in my mits by early next week!
> Also I will be a General upon passing my code test
> next month. VERY
> much looking forward to getting on HF!!!
>
> One thing I'm wondering is what does the "D" stand
> for in TS 530SP/D?
>
> Robert
> KD7AUB
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2553. Re: [TS-520_820_530_830] INFO: KENWOOD RADIO'S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 19:17:47 UTC
From: Bill K0ZL
Topic: 2551 Message: 2553

Bob that is great! Keep 'er hummin.

might want to blow compressed air in the PA cage now
and then to get all the cooties out.

Also put one drop of good old 10W-30 on the VFO shaft
once a year.

b

--- bob7255khz <bob7255khz@...> wrote:

>
> Hello everyone, this is my first posting but I
> always read the
> postings. I have to post some info here that will
> make everyone smile
> as much as I do.
> I have a ts830s that has a billion trillion of
> hours on
> it....really. I never turn it off , it's on 24 hrs a
> day , 7 days a
> week and it is used daily to run a net that I am
> sometimes net
> controller of. It has the original finals in it and
> has all the
> original dail lights !!! Been running it like this
> for ten years plus.
> Every 6 mos or so I pop the cover and spray the
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> and also the band switch, thats been the only maint
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> The ts 830s and other older TS series radio's are
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> hell against all of them. Infact , my XYL Mary
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> ts830 over every radio we have....first choice. We
> also have one 830
> stored in it's original box , just incase this one
> would ever fail.
> Just thought I'd share this info....my 2 cents.
>

> 73 BOB N3OO
>
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"If in doubt, MODIFY" --k0zl

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2554. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 19:21:45 UTC
From: Bill K0ZL
Topic: 172 Message: 2554

Sounds like you lost one of the local oscillators on
the IF unit. we used to call it the "bfo"...

b

--- kc9_max <mack_hutch@...> wrote:

>
>
> Hi, names Mack, but since buddies at work have
> dubbed me with
> Mack "Attack" that is what I go by.
> I am 50 years young and just recently received my
> general class
> ticket. Some might refer to me as a newbie
> and would be more or less correct as far as being a
> licensed ham. I
> spent four years in the Navy as a Radioman,
> 1972-1976. In 1978 or
> there abouts I met someone who got me interested in
> amatuer radio. I
> bought a Kenwood 520 from him, that had been
> modified for 11 meter.
> The plan was to get my amatuer license, but in the
> mean time I could
> operate SSB on CB bands. Well I took a course from
> Heathkit for
> novice and tech and got my code up to about 13 wpm.
> But things
> happen, ie. daughter was born, we needed more room,
> bought another
> fixer upper, changed jobs several times and etc.
> etc. Long story
> short never got my license untill things settled
> down some. That was
> 25 year later! Some guys I work with got their
> licenses and
> listening to them rekindled my interest. I look
> forward to exploring
> the many new aspects of this hobby and being part of
> amateur radio
> and this group.
> To get me started I have bought another Kenwood, a
> 530 this time
> and find it comfortably familar in appearance and
> operation to the

> 520, only with a few more bells and whistles. It
> worked fine when I
> bought it but since has devolped a problem. A brief
> description of
> problem: I hear no stations on any of the bands. The
> S meter shows a
> 9 DB signal and does not vary much when I turn RF
> gain up or down. I
> have noticed what looks like some signal activity
> that will show up
> as fluctuation between 9 and 15 on s meter, but
> still no audio.
> These problems developed after I took IF out to fix
> a loose
> connection that was affecting the RIT. I have
> ordered service manual
> from manuaman.com. If anyone has had similar
> experience or have some
> tips or advice please let me know. TIA and 73s.
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"If in doubt, MODIFY" --k0zl

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2555. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 20:21:30 UTC
From: akshay daniel
Topic: 172 Message: 2555

BTW Mack, most manuals are available FREE to download
at http://www.cqham.ru/sch_eng.html, mods.dk and
several other sites.

73,
Ron, 6Y5/4S7RO

--- Bill K0ZL <coorsbill@...> wrote:

> Sounds like you lost one of the local oscillators on
> the IF unit. we used to call it the "bfo"...
>
> b
>
> --- kc9_max <mack_hutch@...> wrote:
>
> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.
> > I am 50 years young and just recently received my
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> > The plan was to get my amatuer license, but in the
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> > operate SSB on CB bands. Well I took a course from
> > Heathkit for
> > novice and tech and got my code up to about 13
> wpm.
> > But things
> > happen, ie. daughter was born, we needed more
> room,
> > bought another
> > fixer upper, changed jobs several times and etc.
> > etc. Long story

> > short never got my license untill things settled
> > down some. That was
> > 25 year later! Some guys I work with got their
> > licenses and
> > listening to them rekindled my interest. I look
> > forward to exploring
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> > To get me started I have bought another Kenwood,
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> > 530 this time
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> > problem: I hear no stations on any of the bands.
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> > 9 DB signal and does not vary much when I turn RF
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> > that will show up
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> > These problems developed after I took IF out to
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> > a loose
> > connection that was affecting the RIT. I have
> > ordered service manual
> > from manuaman.com. If anyone has had similar
> > experience or have some
> > tips or advice please let me know. TIA and 73s.
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> "If in doubt, MODIFY" --k0zl

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2556. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 23:48:29 UTC
From: Eric Webner
Topic: 133 Message: 2556

Ok, Bill, I'll bite: what is a dillybopper?

Eric

Bill K0ZL <coorsbill@...> wrote:
Hi Robert,

Welcome to our highly es-steamed group! hi hi...

Slide guitarists sure are an odd lot...

Congrats on the General and the new rig.

The "D" stands for dillybopper, which the 530 did not
come with when stock.

73!

Bill K0ZL

--- Robert <kd7aub@...> wrote:

>
> Hello to all on the group. Thank you Bill for
> letting me into this
> esteemed gathering of individuals who obviously have
> great taste(ha).
>
> I live in southern Oregon and have been into various
> things having to
> do with radio since I was BCB dxing starting around
> 10 years old. I'm
> also a musician and record my own music.
>
> I am "almost" a Kenwood owner. I just purchased a
> 530SP/D...It should
> be in my mits by early next week!
> Also I will be a General upon passing my code test
> next month. VERY
> much looking forward to getting on HF!!!
>
> One thing I'm wondering is what does the "D" stand
> for in TS 530SP/D?
>
> Robert
> KD7AUB
>

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2557. Re: New Member/Dillybopper

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-26 23:52:02 UTC
From: Robert
Topic: 133 Message: 2557

Bill,

I'm still wondering why the manual has a "D" at the end of the rig number(ha)..... I had one gent tell me it meant the rig has 6 meters (must be whacked) and another said it means "digital" display (which seems reasonable).
Your dillybopper idea has it's merit's, all the "newer" rigs have lot's of dillybopper's on them. As a matter of fact they seem to be mostly dillybopper.
OK I'll shut up.

Robert

Does anyone know what years the 530SP(/D) were manufactured?

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Hi Robert,
>
> Welcome to our highly es-steamed group! hi hi...
>
> Slide guitarists sure are an odd lot...
>
> Congrats on the General and the new rig.
>
> The "D" stands for dillybopper, which the 530 did not
> come with when stock.
>
> 73!
>
> Bill K0ZL
>
> --- Robert <kd7aub@y...> wrote:
>
> >
> > Hello to all on the group. Thank you Bill for
> > letting me into this
> > esteemed gathering of individuals who obviously have
> > great taste(ha).
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> > I live in southern Oregon and have been into various
> > things having to
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> "If in doubt, MODIFY" --k0zl
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2558. Re: [TS-520_820_530_830] mc-50 + d104

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 01:01:39 UTC
From: james27613@att.net
Topic: 2558 Message: 2558

I also like the mc-50 and the D-104 w/o amplifier.

The chrome 104 is nice to look at too !

Plus, you can use the back of the mic as a
mirror to see what you've got plugged into the
back of your ts-520.

Another source of no cost manuals is

http://www.mods.dk

sometimes it is a little slow to d/l so

http://www.manualman.com for printed manuals at fair price !

73 james ke4drn

2559. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 04:16:06 UTC
From: Mack
Topic: 172 Message: 2559

Ron thanks for the info....wish I had posted before ordering....50 and still learning LOL.
73s

----- Original Message -----
From: akshay daniel<mailto:danielakshay@...>
To: TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, October 26, 2004 3:21 PM
Subject: Re: [TS-520_820_530_830] Hello

BTW Mack, most manuals are available FREE to download
at http://www.cqham.ru/sch_eng.html,<http://www.cqham.ru/sch_eng.html,> mods.dk and
several other sites.

73,
Ron, 6Y5/4S7RO

--- Bill K0ZL <coorsbill@...<mailto:coorsbill@...>> wrote:

> Sounds like you lost one of the local oscillators on
> the IF unit. we used to call it the "bfo"...
>
> b
>
> --- kc9_max <mack_hutch@...> wrote:
>
> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.
> > I am 50 years young and just recently received my
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> "If in doubt, MODIFY" --k0zl
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[Non-text portions of this message have been removed]

2560. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 04:12:36 UTC
From: Mack
Topic: 172 Message: 2560

Bill said
"Sounds like you lost one of the local oscillators on
the IF unit."

Thanks Bill, I will check that out.
MH

----- Original Message -----
From: Bill K0ZL<mailto:coorsbill@...>
To: TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
Sent: Tuesday, October 26, 2004 2:21 PM
Subject: Re: [TS-520_820_530_830] Hello

Sounds like you lost one of the local oscillators on
the IF unit. we used to call it the "bfo"...

b

--- kc9_max <mack_hutch@...<mailto:mack_hutch@...>> wrote:

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> Hi, names Mack, but since buddies at work have
> dubbed me with
> Mack "Attack" that is what I go by.
> I am 50 years young and just recently received my
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> spent four years in the Navy as a Radioman,
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> there abouts I met someone who got me interested in
> amatuer radio. I
> bought a Kenwood 520 from him, that had been
> modified for 11 meter.
> The plan was to get my amatuer license, but in the
> mean time I could
> operate SSB on CB bands. Well I took a course from
> Heathkit for
> novice and tech and got my code up to about 13 wpm.
> But things
> happen, ie. daughter was born, we needed more room,
> bought another
> fixer upper, changed jobs several times and etc.
> etc. Long story

> short never got my license untill things settled
> down some. That was
> 25 year later! Some guys I work with got their
> licenses and
> listening to them rekindled my interest. I look
> forward to exploring
> the many new aspects of this hobby and being part of
> amateur radio
> and this group.
> To get me started I have bought another Kenwood, a
> 530 this time
> and find it comfortably familar in appearance and
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> 520, only with a few more bells and whistles. It
> worked fine when I
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> problem: I hear no stations on any of the bands. The
> S meter shows a
> 9 DB signal and does not vary much when I turn RF
> gain up or down. I
> have noticed what looks like some signal activity
> that will show up
> as fluctuation between 9 and 15 on s meter, but
> still no audio.
> These problems developed after I took IF out to fix
> a loose
> connection that was affecting the RIT. I have
> ordered service manual
> from manuaman.com. If anyone has had similar
> experience or have some
> tips or advice please let me know. TIA and 73s.
>
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=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2561. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 04:13:25 UTC
From: Al Mikkelsen
Topic: 172 Message: 2561

Hi Ron,
The manuals are thay also in english?
Al
----- Original Message -----
From: akshay daniel
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, October 26, 2004 1:21 PM
Subject: Re: [TS-520_820_530_830] Hello

BTW Mack, most manuals are available FREE to download
at http://www.cqham.ru/sch_eng.html, mods.dk and
several other sites.

73,
Ron, 6Y5/4S7RO

--- Bill K0ZL <coorsbill@...> wrote:

> Sounds like you lost one of the local oscillators on
> the IF unit. we used to call it the "bfo"...
>
> b
>
> --- kc9_max <mack_hutch@...> wrote:
>
> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.
> > I am 50 years young and just recently received my
> > general class
> > ticket. Some might refer to me as a newbie
> > and would be more or less correct as far as being
> a
> > licensed ham. I
> > spent four years in the Navy as a Radioman,
> > 1972-1976. In 1978 or
> > there abouts I met someone who got me interested
> in
> > amatuer radio. I
> > bought a Kenwood 520 from him, that had been
> > modified for 11 meter.
> > The plan was to get my amatuer license, but in the
> > mean time I could
> > operate SSB on CB bands. Well I took a course from

> > Heathkit for
> > novice and tech and got my code up to about 13
> wpm.
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> room,
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> > fixer upper, changed jobs several times and etc.
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> > To get me started I have bought another Kenwood,
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> > ordered service manual
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> > tips or advice please let me know. TIA and 73s.
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> =====
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> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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[Non-text portions of this message have been removed]

2562. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 04:14:32 UTC
From: Al Mikkelsen
Topic: 172 Message: 2562

Ron,
Can you get this site on manuals in english?
Al
----- Original Message -----
From: akshay daniel
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, October 26, 2004 1:21 PM
Subject: Re: [TS-520_820_530_830] Hello

BTW Mack, most manuals are available FREE to download
at http://www.cqham.ru/sch_eng.html, mods.dk and
several other sites.

73,
Ron, 6Y5/4S7RO

--- Bill K0ZL <coorsbill@...> wrote:

> Sounds like you lost one of the local oscillators on
> the IF unit. we used to call it the "bfo"...
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> b
>
> --- kc9_max <mack_hutch@...> wrote:
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> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.
> > I am 50 years young and just recently received my
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> > The plan was to get my amatuer license, but in the
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> > operate SSB on CB bands. Well I took a course from

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> > novice and tech and got my code up to about 13
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> > fixer upper, changed jobs several times and etc.
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> > short never got my license untill things settled
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> > 25 year later! Some guys I work with got their
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
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[Non-text portions of this message have been removed]

2563. Connectors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 09:11:41 UTC
From: tetrodehead
Topic: 2563 Message: 2563

Thanks to all who sent info. A great group.

2564. Re: [TS-520_820_530_830] Re: New Member/Dillybopper

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 11:40:24 UTC
From: Richard Harris
Topic: 133 Message: 2564

Robert,

According to information buried in the TS530SP/D operating and service manuals, the /D version uses just one S2001A (Japanese 6146B) in the PA. It is rated at 160W PEP and 130W CW input (as against 220W PEP and 180W CW for /SP). I recall that somewhere in one or the other of the manuals there is mention that the /D version was produced for the Korean market. The AC line voltage setting is slightly different between the /D and /SP.

The difference between the /S and the /SP is that the /SP has an audio notch in the place occupied by the AF gain control and the AF gain control is concentric with the RF gain.

The TS530 was made in early '80s - I don't have a range of dates but I have a copy of the review of the TS830 dated July 1982 that appear in "Radio Communication" (RSGB) in the UK - the '530 was a lower spec version of the '830 although some of the PCBs are common to both.

73s

Richard G3OTK

At 23:52 26/10/2004 +0000, you wrote:

>Bill,
>
>I'm still wondering why the manual has a "D" at the end of the rig
>number(ha)..... I had one gent tell me it meant the rig has 6
>meters (must be whacked) and another said it means "digital" display
>(which seems reasonable).
>Your dillybopper idea has it's merit's, all the "newer" rigs have
>lot's of dillybopper's on them. As a matter of fact they seem to be
>mostly dillybopper.
>OK I'll shut up.
>
>Robert
>
>Does anyone know what years the 530SP(/D) were manufactured?
>
>
>
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
>wrote:
> > Hi Robert,
> >

> > Welcome to our highly es-steamed group! hi hi...
> >
> > Slide guitarists sure are an odd lot...
> >
> > Congrats on the General and the new rig.
> >
> > The "D" stands for dillybopper, which the 530 did not
> > come with when stock.
> >
> > 73!
> >
> > Bill K0ZL
> >
> > --- Robert <kd7aub@y...> wrote:
> >
> > >
> > > Hello to all on the group. Thank you Bill for
> > > letting me into this
> > > esteemed gathering of individuals who obviously have
> > > great taste(ha).
> > >
> > > I live in southern Oregon and have been into various
> > > things having to
> > > do with radio since I was BCB dxing starting around
> > > 10 years old. I'm
> > > also a musician and record my own music.
> > >
> > > I am "almost" a Kenwood owner. I just purchased a
> > > 530SP/D...It should
> > > be in my mits by early next week!
> > > Also I will be a General upon passing my code test
> > > next month. VERY
> > > much looking forward to getting on HF!!!
> > >
> > > One thing I'm wondering is what does the "D" stand
> > > for in TS 530SP/D?
> > >
> > > Robert
> > > KD7AUB
> > >
> > >
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> > >
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >

> > Need a tech? See our website www.amateur-repairs.com
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Richard Harris
PIPS Technology Ltd,
York House,
School Lane,
Chandlers Ford,
Eastleigh
SO53 4DG
United Kingdom

Tel +44 (0) 2380 240250
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[Non-text portions of this message have been removed]

2565. Re: [TS-520_820_530_830] New Member

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 14:43:52 UTC
From: Bill K0ZL
Topic: 133 Message: 2565

It's an semi-imaginery bell and/or whistle used to
justify slightly higher suggested retail price.

Shopped for cars, computers or PDAs lately? Everyone
is doing it, hi!

73,

b

--- Eric Webner <ka8fan@...> wrote:

> Ok, Bill, I'll bite: what is a dillybopper?
>
> Eric
>
>
> Bill K0ZL <coorsbill@...> wrote:
> Hi Robert,
>
> Welcome to our highly es-steamed group! hi hi...
>
> Slide guitarists sure are an odd lot...
>
> Congrats on the General and the new rig.
>
> The "D" stands for dillybopper, which the 530 did
> not
> come with when stock.
>
> 73!
>
> Bill K0ZL
>
> --- Robert <kd7aub@...> wrote:
>
> >
> > Hello to all on the group. Thank you Bill for
> > letting me into this
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> >
> > I live in southern Oregon and have been into
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> > 10 years old. I'm
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> > I am "almost" a Kenwood owner. I just purchased a
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> =====
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
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> removed]
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"If in doubt, MODIFY" --k0zl

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2566. Re: [TS-520_820_530_830] Re: New Member/Dillybopper

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 14:44:52 UTC
From: Bill K0ZL
Topic: 133 Message: 2566

The 850 has 73 dillyboppers, and that is just on the
front panel! har...

This group is a rip. Never fail to laff my guts out
(ouch-just had surg...)

bill

--- Robert <kd7aub@...> wrote:

>
> Bill,
>
> I'm still wondering why the manual has a "D" at the
> end of the rig
> number(ha)..... I had one gent tell me it meant
> the rig has 6
> meters (must be whacked) and another said it means
> "digital" display
> (which seems reasonable).
> Your dillybopper idea has it's merit's, all the
> "newer" rigs have
> lot's of dillybopper's on them. As a matter of fact
> they seem to be
> mostly dillybopper.
> OK I'll shut up.
>
> Robert
>
> Does anyone know what years the 530SP(/D) were
> manufactured?
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> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
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> > Hi Robert,
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> > Congrats on the General and the new rig.
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> > The "D" stands for dillybopper, which the 530 did
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> > Bill K0ZL
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> > --- Robert <kd7aub@y...> wrote:
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> > > Hello to all on the group. Thank you Bill for
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> >
> > Need a tech? See our website
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2567. TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 18:37:44 UTC
From: va3spx@rac.ca
Topic: 2567 Message: 2567

Hi Folks,

I am a new TS-820S owner.

The meter is not illuminated so I assume I must replace one or more bulbs.

Are these commonly available?

Thanks,
Steve Phillips
VA3SPX

2568. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 19:28:13 UTC
From: Gary & Carrie Meyer
Topic: 2567 Message: 2568

va3spx

Got mine at radio shack. very inexpensive, easy to change.

KCØNPJ Gary

[Non-text portions of this message have been removed]

2569. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 19:34:26 UTC
From: va3spx@rac.ca
Topic: 2567 Message: 2569

Thanks.

I guess I will oper it up and check it out.

Can I acces it from the top or do I need to take off the front panel?

Thanks,
Steve

>
> va3spx
>
> Got mine at radio shack. very inexpensive, easy to change.
>
> KC?NPJ Gary
>
> [Non-text portions of this message have been removed]
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2570. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 19:38:15 UTC
From: Gary & Carrie Meyer
Topic: 2567 Message: 2570

va3spx

Just take the case off, or just the top, bulb is rubber mounted in
my 530.

KC?NPJ

2571. Re: TS830S frequency display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 20:36:23 UTC
From: zululima2003
Topic: 2500 Message: 2571

There is not really a problem with calibration. The rig is spot on
with respect to the digital display. It's the analogue dial that is
out; its seem that one needs to rotate the analogue dial whilst not
moving the shaft to bring the digital and analogue dials into sync
with one another.
Bill

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Bill there is a trimmer cap in the VFO under the
> silver foil that you can access to bring the dial back
> in. Calibrate your counter against WWV or another
> standard first.
>
> Re-cover the hole with Scotch (tm)_ brand tape after
> adjustment; this will reduce temp drift from air
> currents.
> 73,
>
> Bill
> --- zululima2003 <zl2bgx@n...> wrote:
>
> >
> > Over the years the correlation between my digital
> > readout and the
> > analogue dial has been lost. Currently they are 5kz
> > apart. This is
> > referring to the lit numbered scale - not the slip
> > ring!
> > Any ideas how to 'adjust' the analogue scale to more
> > accurately align
> > with the (correct) digital readout?
> > Thanks
> > Bill
> > ZL2BGX
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>

> Need a tech? See our website www.amateur-repairs.com
>
>
>
>
>
>
> _________________________________
> Do you Yahoo!?
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> http://vote.yahoo.com

2572. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-27 21:33:17 UTC
From: Bill K0ZL
Topic: 172 Message: 2572

See what you can see with RF probe on DVM... I will
have some time to chase schematics now that I am off
work for a bit.

73,

Bill

--- Mack <mack_hutch@...> wrote:

> Bill said
> "Sounds like you lost one of the local oscillators
> on
> the IF unit."
>
>
> Thanks Bill, I will check that out.
> MH
>
>
> ----- Original Message -----
> From: Bill K0ZL<mailto:coorsbill@...>
> To:
>
TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
>
> Sent: Tuesday, October 26, 2004 2:21 PM
> Subject: Re: [TS-520_820_530_830] Hello
>
>
> Sounds like you lost one of the local oscillators
> on
> the IF unit. we used to call it the "bfo"...
>
> b
>
> --- kc9_max
>
<mack_hutch@...<mailto:mack_hutch@...>>
> wrote:
>
> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.

> > I am 50 years young and just recently received
> my
> > general class
> > ticket. Some might refer to me as a newbie
> > and would be more or less correct as far as
> being a
> > licensed ham. I
> > spent four years in the Navy as a Radioman,
> > 1972-1976. In 1978 or
> > there abouts I met someone who got me interested
> in
> > amatuer radio. I
> > bought a Kenwood 520 from him, that had been
> > modified for 11 meter.
> > The plan was to get my amatuer license, but in
> the
> > mean time I could
> > operate SSB on CB bands. Well I took a course
> from
> > Heathkit for
> > novice and tech and got my code up to about 13
> wpm.
> > But things
> > happen, ie. daughter was born, we needed more
> room,
> > bought another
> > fixer upper, changed jobs several times and etc.
> > etc. Long story
> > short never got my license untill things settled
> > down some. That was
> > 25 year later! Some guys I work with got their
> > licenses and
> > listening to them rekindled my interest. I look
> > forward to exploring
> > the many new aspects of this hobby and being
> part of
> > amateur radio
> > and this group.
> > To get me started I have bought another
> Kenwood, a
> > 530 this time
> > and find it comfortably familar in appearance
> and
> > operation to the
> > 520, only with a few more bells and whistles. It
> > worked fine when I
> > bought it but since has devolped a problem. A
> brief
> > description of
> > problem: I hear no stations on any of the bands.

> The
> > S meter shows a
> > 9 DB signal and does not vary much when I turn
> RF
> > gain up or down. I
> > have noticed what looks like some signal
> activity
> > that will show up
> > as fluctuation between 9 and 15 on s meter, but
> > still no audio.
> > These problems developed after I took IF out to
> fix
> > a loose
> > connection that was affecting the RIT. I have
> > ordered service manual
> > from manuaman.com. If anyone has had similar
> > experience or have some
> > tips or advice please let me know. TIA and 73s.
> >
> >
> >
> >
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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>
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http://groups.yahoo.com/group/TS-520_820_530_830/<http://groups.yahoo.com/group/TS-520_820_530_830/>
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2573. Re: Korean Version

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 04:26:59 UTC
From: Robert
Topic: 133 Message: 2573

Richard,

Thanks very much for the info. I've put in many, many hours of
internet research on this. Finally, an answer!

I'm not sure what to think now however. I purchased the rig via the
internet(qrz.com) and the gent(original owner) said it put out 100
watts on all bands. That would be rather difficult with only one
tube!!
Maybe there's a miscommunication somewhere. The radio should arrive
early next week. We'll see when I open the box.

If it is a Korean version I wonder if a 6146B would fit into the same
slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!

Robert

--- In TS-520_820_530_830@yahoogroups.com, Richard Harris
<rjharris@i...> wrote:
> Robert,
>
> According to information buried in the TS530SP/D operating and
service
> manuals, the /D version uses just one S2001A (Japanese 6146B) in
the
> PA. It is rated at 160W PEP and 130W CW input (as against 220W
PEP and
> 180W CW for /SP). I recall that somewhere in one or the other of
the
> manuals there is mention that the /D version was produced for the
Korean
> market. The AC line voltage setting is slightly different between
the /D
> and /SP.
>
> The difference between the /S and the /SP is that the /SP has an
audio
> notch in the place occupied by the AF gain control and the AF gain
control
> is concentric with the RF gain.
>
> The TS530 was made in early '80s - I don't have a range of dates
but I have
> a copy of the review of the TS830 dated July 1982 that appear
in "Radio
> Communication" (RSGB) in the UK - the '530 was a lower spec version

of the
> '830 although some of the PCBs are common to both.
>
> 73s
>
> Richard G3OTK
>
> At 23:52 26/10/2004 +0000, you wrote:
>
> >Bill,
> >
> >I'm still wondering why the manual has a "D" at the end of the rig
> >number(ha)..... I had one gent tell me it meant the rig has 6
> >meters (must be whacked) and another said it means "digital"
display
> >(which seems reasonable).
> >Your dillybopper idea has it's merit's, all the "newer" rigs have
> >lot's of dillybopper's on them. As a matter of fact they seem to be
> >mostly dillybopper.
> >OK I'll shut up.
> >
> >Robert
> >
> >Does anyone know what years the 530SP(/D) were manufactured?
> >
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...>
> >wrote:
> > > Hi Robert,
> > >
> > > Welcome to our highly es-steamed group! hi hi...
> > >
> > > Slide guitarists sure are an odd lot...
> > >
> > > Congrats on the General and the new rig.
> > >
> > > The "D" stands for dillybopper, which the 530 did not
> > > come with when stock.
> > >
> > > 73!
> > >
> > > Bill K0ZL
> > >
> > > --- Robert <kd7aub@y...> wrote:
> > >
> > >
> > > Hello to all on the group. Thank you Bill for

> > > > letting me into this
> > > > esteemed gathering of individuals who obviously have
> > > > great taste(ha).
> > > >
> > > > I live in southern Oregon and have been into various
> > > > things having to
> > > > do with radio since I was BCB dxing starting around
> > > > 10 years old. I'm
> > > > also a musician and record my own music.
> > > >
> > > > I am "almost" a Kenwood owner. I just purchased a
> > > > 530SP/D...It should
> > > > be in my mits by early next week!
> > > > Also I will be a General upon passing my code test
> > > > next month. VERY
> > > > much looking forward to getting on HF!!!
> > > >
> > > > One thing I'm wondering is what does the "D" stand
> > > > for in TS 530SP/D?
> > > >
> > > > Robert
> > > > KD7AUB
> > > >
> > > >
> > > >
> > > >
> > > >
> > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
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pf=PLApply&media=EMYHNL40F21004SS>1071e57.jpg
> >1071ec5.jpg
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>
>
> Richard Harris
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> United Kingdom
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2574. Re: [TS-520_820_530_830] Re: New Member/Dillybopper

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 05:42:22 UTC
From: Kerrod Atfield
Topic: 133 Message: 2574

Just a thought about the "D". Maybe it stands for "different". Hi Hi.

Yes, I'm going. I just couldn't resist doing that. Kerrod. VK4TKA.

----- Original Message -----
From: "Richard Harris" <rjharris@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, October 27, 2004 9:40 PM
Subject: Re: [TS-520_820_530_830] Re: New Member/Dillybopper

>
> Robert,
>
> According to information buried in the TS530SP/D operating and service
> manuals, the /D version uses just one S2001A (Japanese 6146B) in the
> PA. It is rated at 160W PEP and 130W CW input (as against 220W PEP and
> 180W CW for /SP). I recall that somewhere in one or the other of the
> manuals there is mention that the /D version was produced for the Korean
> market. The AC line voltage setting is slightly different between the /D
> and /SP.
>
> The difference between the /S and the /SP is that the /SP has an audio
> notch in the place occupied by the AF gain control and the AF gain control
> is concentric with the RF gain.
>
> The TS530 was made in early '80s - I don't have a range of dates but I
have
> a copy of the review of the TS830 dated July 1982 that appear in "Radio
> Communication" (RSGB) in the UK - the '530 was a lower spec version of the
> '830 although some of the PCBs are common to both.
>
> 73s
>
> Richard G3OTK
>
> At 23:52 26/10/2004 +0000, you wrote:
>
> >Bill,
> >
> >I'm still wondering why the manual has a "D" at the end of the rig
> >number(ha)..... I had one gent tell me it meant the rig has 6
> >meters (must be whacked) and another said it means "digital" display
> >(which seems reasonable).
> >Your dillybopper idea has it's merit's, all the "newer" rigs have
> >lot's of dillybopper's on them. As a matter of fact they seem to be
> >mostly dillybopper.

> >OK I'll shut up.
> >
> >Robert
> >
> >Does anyone know what years the 530SP(/D) were manufactured?
> >
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
> >wrote:
> > > Hi Robert,
> > >
> > > Welcome to our highly es-steamed group! hi hi...
> > >
> > > Slide guitarists sure are an odd lot...
> > >
> > > Congrats on the General and the new rig.
> > >
> > > The "D" stands for dillybopper, which the 530 did not
> > > come with when stock.
> > >
> > > 73!
> > >
> > > Bill K0ZL
> > >
> > > --- Robert <kd7aub@y...> wrote:
> > >
> > > >
> > > > Hello to all on the group. Thank you Bill for
> > > > letting me into this
> > > > esteemed gathering of individuals who obviously have
> > > > great taste(ha).
> > > >
> > > > I live in southern Oregon and have been into various
> > > > things having to
> > > > do with radio since I was BCB dxing starting around
> > > > 10 years old. I'm
> > > > also a musician and record my own music.
> > > >
> > > > I am "almost" a Kenwood owner. I just purchased a
> > > > 530SP/D...It should
> > > > be in my mits by early next week!
> > > > Also I will be a General upon passing my code test
> > > > next month. VERY
> > > > much looking forward to getting on HF!!!
> > > >
> > > > One thing I'm wondering is what does the "D" stand
> > > > for in TS 530SP/D?
> > > >

> > > > Robert
> > > > KD7AUB
> > > >
> > > >
> > > >
> > > >
> > > >
> > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
> > > Need a tech? See our website www.amateur-repairs.com
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2575. TS530/D

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 07:34:22 UTC
From: Richard Harris
Topic: 2575 Message: 2575

Robert,

Do you actually have a /D version? If so, it may be wise to check the AC line settings because the /D is 110/220v rather than 120/240V.

I agree about the rating of the single tube version (the figures from the manual are input not output), but 130W input on CW for a S2001A/6146B seems a bit severe to me. I suppose that would give about 85W output. A quick tune-up would seem to be in order!

S2001As are difficult, maybe impossible, to get hold of but I believe that 6146Bs are OK. I have a TS510 with one of each fitted.

I bought my TS530SP on UK Ebay recently and am delighted with it. I've since fitted a CW filter. Only problem with it now is intermittent band-change switch, but I hope to get some switch cleaner on it this weekend. So nice to operate a piece of equipment where each function has its own control on the front panel.

If you don't have an Operator's Manual go to www.mods.dk, or www.kb2ljj.com. I haven't found a (free) Service Manual on the net but maybe another Member can give you a URL.

I will be looking for US stations this weekend in CQWW on 20m.....

73s

Richard G3OTK

At 04:26 28/10/2004 +0000, you wrote:

Richard,

Thanks very much for the info. I've put in many, many hours of internet research on this. Finally, an answer!

I'm not sure what to think now however. I purchased the rig via the internet(qrz.com) and the gent(original owner) said it put out 100 watts on all bands. That would be rather difficult with only one tube!!
Maybe there's a miscommunication somewhere. The radio should arrive early next week. We'll see when I open the box.

If it is a Korean version I wonder if a 6146B would fit into the same slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!

Robert

Richard Harris
PIPS Technology Ltd,
York House,
School Lane,
Chandlers Ford,
Eastleigh
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[Non-text portions of this message have been removed]

2576. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 12:39:30 UTC
From: Bill K0ZL
Topic: 2567 Message: 2576

Get the 12v grain-o-wheat bulb from RatShack, if you
can find it. the number is 272-1092C

73

b

--- va3spx@... wrote:

> Hi Folks,
>
> I am a new TS-820S owner.
>
> The meter is not illuminated so I assume I must
> replace one or more bulbs.
>
> Are these commonly available?
>
> Thanks,
> Steve Phillips
> VA3SPX
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2577. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 12:49:07 UTC
From: Bill K0ZL
Topic: 2567 Message: 2577

From the top; just pull the little black rubber
grommet out of it's hole in back of the meter.

Rig off... cut the red wires close to the lamp,
lap-solder and heat-shrink new lamp leads to old ones,
and you may have to modify the grommet to fit the new
lamp. I just cut the back of the grommet with wire
cutters until there is a large enough hole to shove
the new lamp in.

b

--- va3spx@... wrote:

>
> Thanks.
>
> I guess I will oper it up and check it out.
>
> Can I acces it from the top or do I need to take off
> the front panel?
>
> Thanks,
> Steve
>
> >
> > va3spx
> >
> > Got mine at radio shack. very inexpensive,
> easy to change.
> >
> > KC?NPJ
> Gary
> >
> > [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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2578. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 14:09:23 UTC
From: stevemp@storm.ca
Topic: 2567 Message: 2578

Thanks!

I opened it up and had a look last night.

At least one has been replaced before.

There are two screws which hold the meter assembly. I unscrewed those and I could easily access the rubber grommets, etc.

Should be a breeze.

I checked stock at the closest shack online and they have 3 packs. I think I will buy them all! ;-)

Steve

>
> >From the top; just pull the little black rubber
> grommet out of it's hole in back of the meter.
>
> Rig off... cut the red wires close to the lamp,
> lap-solder and heat-shrink new lamp leads to old ones,
> and you may have to modify the grommet to fit the new
> lamp. I just cut the back of the grommet with wire
> cutters until there is a large enough hole to shove
> the new lamp in.
>
> b
>
> --- va3spx@... wrote:
>
> >
> > Thanks.
> >
> > I guess I will oper it up and check it out.
> >
> > Can I acces it from the top or do I need to take off
> > the front panel?
> >
> > Thanks,
> > Steve
> >
> > >
> > > va3spx
> > >
> > > Got mine at radio shack. very inexpensive,
> > easy to change.

> > >
> > > KC?NPJ
> > Gary
> > >
> > > [Non-text portions of this message have been
> > removed]
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> > > Yahoo! Groups Links
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> > ------------------------ Yahoo! Groups Sponsor
> > ---------------------~-->
> > $9.95 domain names from Yahoo!. Register anything.
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> http://us.click.yahoo.com/J8kdrA/y20IAA/yQLSAA/ELTolB/TM
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> ---~->
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> >
> > Yahoo! Groups Links
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> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
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>
> =====
>
> "If in doubt, MODIFY" --k0zl

>
> Need a tech? See our website www.amateur-repairs.com
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> _____
> Do you Yahoo!?
> Yahoo! Mail Address AutoComplete - You start. We finish.
> http://promotions.yahoo.com/new_mail
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> Yahoo! Groups Links
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2579. Re: [TS-520_820_530_830] Re: Korean Version

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 16:50:21 UTC
From: peter A markavage
Topic: 133 Message: 2579

S2001A's are identical to 6146B's. The 530D schematic seems to imply that the second socket for the other S2001A (530S & SP) is there and wired up. Looks like they made some "minor" changes (capacitors) to the tank circuit to accommodate just the one tube. Didn't look close to the driver circuitry. Probably could be converted over to a 530SP.

Pete, wa2cwa

On Thu, 28 Oct 2004 04:26:59 -0000 "Robert" <kd7aub@...> writes:

Richard,

Thanks very much for the info. I've put in many, many hours of internet research on this. Finally, an answer!

I'm not sure what to think now however. I purchased the rig via the internet(qrz.com) and the gent(original owner) said it put out 100 watts on all bands. That would be rather difficult with only one tube!!
Maybe there's a miscommunication somewhere. The radio should arrive early next week. We'll see when I open the box.

If it is a Korean version I wonder if a 6146B would fit into the same slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!

Robert

--- In TS-520_820_530_830@yahoogroups.com, Richard Harris <rjharris@i...> wrote:
> Robert,
>
> According to information buried in the TS530SP/D operating and service
> manuals, the /D version uses just one S2001A (Japanese 6146B) in the
> PA. It is rated at 160W PEP and 130W CW input (as against 220W PEP and
> 180W CW for /SP). I recall that somewhere in one or the other of the
> manuals there is mention that the /D version was produced for the Korean
> market. The AC line voltage setting is slightly different between the /D
> and /SP.
>
> The difference between the /S and the /SP is that the /SP has an audio

> notch in the place occupied by the AF gain control and the AF gain
control
> is concentric with the RF gain.
>
> The TS530 was made in early '80s - I don't have a range of dates
but I have
> a copy of the review of the TS830 dated July 1982 that appear
in "Radio
> Communication" (RSGB) in the UK - the '530 was a lower spec version
of the
> '830 although some of the PCBs are common to both.
>
> 73s
>
> Richard G3OTK
>
> At 23:52 26/10/2004 +0000, you wrote:
>
> >Bill,
> >
> >I'm still wondering why the manual has a "D" at the end of the rig
> >number(ha)..... I had one gent tell me it meant the rig has 6
> >meters (must be whacked) and another said it means "digital"
display
> >(which seems reasonable).
> >Your dillybopper idea has it's merit's, all the "newer" rigs have
> >lot's of dillybopper's on them. As a matter of fact they seem to be
> >mostly dillybopper.
> >OK I'll shut up.
> >
> >Robert
> >
> >Does anyone know what years the 530SP(/D) were manufactured?
> >
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...>
> >wrote:
> > > Hi Robert,
> > >
> > > Welcome to our highly es-steamed group! hi hi...
> > >
> > > Slide guitarists sure are an odd lot...
> > >
> > > Congrats on the General and the new rig.
> > >
> > > The "D" stands for dillybopper, which the 530 did not
> > > come with when stock.

> > >
> > > 73!
> > >
> > > Bill K0ZL
> > >
> > > --- Robert <kd7aub@y...> wrote:
> > >
> > > >
> > > > Hello to all on the group. Thank you Bill for
> > > > letting me into this
> > > > esteemed gathering of individuals who obviously have
> > > > great taste(ha).
> > > >
> > > > I live in southern Oregon and have been into various
> > > > things having to
> > > > do with radio since I was BCB dxing starting around
> > > > 10 years old. I'm
> > > > also a musician and record my own music.
> > > >
> > > > I am "almost" a Kenwood owner. I just purchased a
> > > > 530SP/D...It should
> > > > be in my mits by early next week!
> > > > Also I will be a General upon passing my code test
> > > > next month. VERY
> > > > much looking forward to getting on HF!!!
> > > >
> > > > One thing I'm wondering is what does the "D" stand
> > > > for in TS 530SP/D?
> > > >
> > > > Robert
> > > > KD7AUB

[Non-text portions of this message have been removed]

2580. Re: TS530/D

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 19:16:16 UTC
From: Robert
Topic: 2575 Message: 2580

Richard,

I don't have the rig yet. It should be here via UPS on tuesday. The internet pic I saw of it had a manual with the /D at the end. It may not be a D. The previous owner may have just acquired that type manual. I'll check it all out next week.
I agree with you that these are quality radio's. Knobs, case...sturdy and "manly"(hi)! Does your SP put out full power or has there been some degradation?

Robert

> Robert,
>
> Do you actually have a /D version? If so, it may be wise to check the AC
> line settings because the /D is 110/220v rather than 120/240V.
>
> I agree about the rating of the single tube version (the figures from the
> manual are input not output), but 130W input on CW for a S2001A/6146B seems
> a bit severe to me. I suppose that would give about 85W output. A quick
> tune-up would seem to be in order!
>
> S2001As are difficult, maybe impossible, to get hold of but I believe that
> 6146Bs are OK. I have a TS510 with one of each fitted.
>
> I bought my TS530SP on UK Ebay recently and am delighted with it. I've
> since fitted a CW filter. Only problem with it now is intermittent
> band-change switch, but I hope to get some switch cleaner on it this
> weekend. So nice to operate a piece of equipment where each function has
> its own control on the front panel.
>
> If you don't have an Operator's Manual go to www.mods.dk, or
> www.kb2ljj.com. I haven't found a (free) Service Manual on the net but
> maybe another Member can give you a URL.
>
> I will be looking for US stations this weekend in CQWW on 20m.....
>

> 73s
>
> Richard G3OTK
>
> At 04:26 28/10/2004 +0000, you wrote:
>
> Richard,
>
> Thanks very much for the info. I've put in many, many hours of
> internet research on this. Finally, an answer!
>
> I'm not sure what to think now however. I purchased the rig via the
> internet(qrz.com) and the gent(original owner) said it put out 100
> watts on all bands. That would be rather difficult with only one
> tube!!
> Maybe there's a miscommunication somewhere. The radio should arrive
> early next week. We'll see when I open the box.
>
> If it is a Korean version I wonder if a 6146B would fit into the
same
> slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!
>
> Robert
>
>
>
> Richard Harris
> PIPS Technology Ltd,
> York House,
> School Lane,
> Chandlers Ford,
> Eastleigh
> SO53 4DG
> United Kingdom
>
> Tel +44 (0) 2380 240250
> Direct +44 (0) 2380 240267
> Mobile +44 (0) 7808 935630
> Fax +44 (0) 2380 240251
>
> Web site www.pipstechnology.com
>
> =====Confidentiality Notice=====
> This electronic mail message and any attachment may contain
information
> that is legally privileged, confidential or exempt from disclosure.
> It is intended only for the use of the individual or organisation
to whom
> it is addressed. If you are not the intended recipient it is
strictly

> prohibited to disclose, use, store or copy this information
>
> ========================
>
>
> [Non-text portions of this message have been removed]

2581. Re: Korean Version

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 19:21:59 UTC
From: Robert
Topic: 133 Message: 2581

Pete,

Thanks much for the info! Sounds like if it is a "D" I could probably switch it back without too much problem. Hmm?
I'll have to wait and see. I'll get it tuesday via UPS.

Thanks, Robert

In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> S2001A's are identical to 6146B's. The 530D schematic seems to imply that
> the second socket for the other S2001A (530S & SP) is there and wired up.
> Looks like they made some "minor" changes (capacitors) to the tank
> circuit to accommodate just the one tube. Didn't look close to the driver
> circuitry. Probably could be converted over to a 530SP.
>
> Pete, wa2cwa
>
>
> On Thu, 28 Oct 2004 04:26:59 -0000 "Robert" <kd7aub@y...> writes:
>
> Richard,
>
> Thanks very much for the info. I've put in many, many hours of
> internet research on this. Finally, an answer!
>
> I'm not sure what to think now however. I purchased the rig via the
> internet(qrz.com) and the gent(original owner) said it put out 100
> watts on all bands. That would be rather difficult with only one
> tube!!
> Maybe there's a miscommunication somewhere. The radio should arrive
> early next week. We'll see when I open the box.
>
> If it is a Korean version I wonder if a 6146B would fit into the same
> slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!
>
> Robert
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Richard Harris
> <rjharris@i...> wrote:

> > Robert,
> >
> > According to information buried in the TS530SP/D operating and
> service
> > manuals, the /D version uses just one S2001A (Japanese 6146B) in
> the
> > PA. It is rated at 160W PEP and 130W CW input (as against 220W
> PEP and
> > 180W CW for /SP). I recall that somewhere in one or the other of
> the
> > manuals there is mention that the /D version was produced for the
> Korean
> > market. The AC line voltage setting is slightly different
between
> the /D
> > and /SP.
> >
> > The difference between the /S and the /SP is that the /SP has an
> audio
> > notch in the place occupied by the AF gain control and the AF
gain
> control
> > is concentric with the RF gain.
> >
> > The TS530 was made in early '80s - I don't have a range of dates
> but I have
> > a copy of the review of the TS830 dated July 1982 that appear
> in "Radio
> > Communication" (RSGB) in the UK - the '530 was a lower spec
version
> of the
> > '830 although some of the PCBs are common to both.
> >
> > 73s
> >
> > Richard G3OTK
> >
> > At 23:52 26/10/2004 +0000, you wrote:
> >
> > >Bill,
> > >
> > >I'm still wondering why the manual has a "D" at the end of the
rig
> > >number(ha)..... I had one gent tell me it meant the rig has 6
> > >meters (must be whacked) and another said it means "digital"
> display
> > >(which seems reasonable).
> > >Your dillybopper idea has it's merit's, all the "newer" rigs have
> > >lot's of dillybopper's on them. As a matter of fact they seem to
be

> > >mostly dillybopper.
> > >OK I'll shut up.
> > >
> > >Robert
> > >
> > >Does anyone know what years the 530SP(/D) were manufactured?
> > >
> > >
> > >
> > >
> > >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> > >wrote:
> > > > Hi Robert,
> > > >
> > > > Welcome to our highly es-steamed group! hi hi...
> > > >
> > > > Slide guitarists sure are an odd lot...
> > > >
> > > > Congrats on the General and the new rig.
> > > >
> > > > The "D" stands for dillybopper, which the 530 did not
> > > > come with when stock.
> > > >
> > > > 73!
> > > >
> > > > Bill K0ZL
> > > >
> > > > --- Robert <kd7aub@y...> wrote:
> > > >
> > > > >
> > > > > Hello to all on the group. Thank you Bill for
> > > > > letting me into this
> > > > > esteemed gathering of individuals who obviously have
> > > > > great taste(ha).
> > > > >
> > > > > I live in southern Oregon and have been into various
> > > > > things having to
> > > > > do with radio since I was BCB dxing starting around
> > > > > 10 years old. I'm
> > > > > also a musician and record my own music.
> > > > >
> > > > > I am "almost" a Kenwood owner. I just purchased a
> > > > > 530SP/D...It should
> > > > > be in my mits by early next week!
> > > > > Also I will be a General upon passing my code test
> > > > > next month. VERY
> > > > > much looking forward to getting on HF!!!
> > > > >
> > > > > One thing I'm wondering is what does the "D" stand

> > > > > for in TS 530SP/D?
> > > > >
> > > > > Robert
> > > > > KD7AUB
>
> [Non-text portions of this message have been removed]

2582. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 20:43:56 UTC
From: Steve Phillips
Topic: 2567 Message: 2582

My TS-820S meter is once again illumined.

Thanks for the help!

Steve

----- Original Message -----
From: <stevemp@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, October 28, 2004 10:09 AM
Subject: Re: [TS-520_820_530_830] TS-820S Meter Lamp

>
> Thanks!
>
> I opened it up and had a look last night.
>
> At least one has been replaced before.
>
> There are two screws which hold the meter assembly. I unscrewed those and
I
> could easily access the rubber grommets, etc.
>
> Should be a breeze.
>
> I checked stock at the closest shack online and they have 3 packs. I
think I
> will buy them all! ;-)
>
> Steve
>
> >
> > >From the top; just pull the little black rubber
> > grommet out of it's hole in back of the meter.
> >
> > Rig off... cut the red wires close to the lamp,
> > lap-solder and heat-shrink new lamp leads to old ones,
> > and you may have to modify the grommet to fit the new
> > lamp. I just cut the back of the grommet with wire
> > cutters until there is a large enough hole to shove
> > the new lamp in.
> >
> > b
> >
> > --- va3spx@... wrote:
> >

> > >
> > > Thanks.
> > >
> > > I guess I will oper it up and check it out.
> > >
> > > Can I acces it from the top or do I need to take off
> > > the front panel?
> > >
> > > Thanks,
> > > Steve
> > >
> > > >
> > > > va3spx
> > > >
> > > > Got mine at radio shack. very inexpensive,
> > > easy to change.
> > > >
> > > > KC?NPJ
> > > Gary
> > > >
> > > > [Non-text portions of this message have been
> > > removed]
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> > > > Yahoo! Groups Links
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> > > Yahoo! Groups Links
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> > > http://groups.yahoo.com/group/TS-520_820_530_830/
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> > > TS-520_820_530_830-unsubscribe@yahoogroups.com
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> > =====
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> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
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> > Do you Yahoo!?
> > Yahoo! Mail Address AutoComplete - You start. We finish.
> > http://promotions.yahoo.com/new_mail
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2583. Re: [TS-520_820_530_830] Re: TS530/D

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 22:05:15 UTC
From: peter A markavage
Topic: 2575 Message: 2583

The operating manual for the 530SP and the 530D, as indicated in his picture, is the same manual. Unless he bought the rig in Korea, the odds are that it's an SP. The "D's" were never sold in the U. S. The title of his post says 530SP. The latest service manual for the 530S says 530S/SP/D.
Pete, wa2cwa

On Thu, 28 Oct 2004 19:16:16 -0000 "Robert" <kd7aub@...> writes:

Richard,

I don't have the rig yet. It should be here via UPS on tuesday. The internet pic I saw of it had a manual with the /D at the end. It may not be a D. The previous owner may have just acquired that type manual. I'll check it all out next week.
I agree with you that these are quality radio's. Knobs, case...sturdy and "manly"(hi)! Does your SP put out full power or has there been some degradation?

Robert

> Robert,
>
> Do you actually have a /D version? If so, it may be wise to check the AC
> line settings because the /D is 110/220v rather than 120/240V.
>
> I agree about the rating of the single tube version (the figures from the
> manual are input not output), but 130W input on CW for a S2001A/6146B seems
> a bit severe to me. I suppose that would give about 85W output. A quick
> tune-up would seem to be in order!
>
> S2001As are difficult, maybe impossible, to get hold of but I believe that
> 6146Bs are OK. I have a TS510 with one of each fitted.
>
> I bought my TS530SP on UK Ebay recently and am delighted with it. I've
> since fitted a CW filter. Only problem with it now is intermittent
> band-change switch, but I hope to get some switch cleaner on it this
> weekend. So nice to operate a piece of equipment where each function has

> its own control on the front panel.
>
> If you don't have an Operator's Manual go to www.mods.dk, or
> www.kb2ljj.com. I haven't found a (free) Service Manual on the net
but
> maybe another Member can give you a URL.
>
> I will be looking for US stations this weekend in CQWW on 20m.....
>
> 73s
>
> Richard G3OTK
>
> At 04:26 28/10/2004 +0000, you wrote:
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> Richard,
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> Thanks very much for the info. I've put in many, many hours of
> internet research on this. Finally, an answer!
>
> I'm not sure what to think now however. I purchased the rig via the
> internet(qrz.com) and the gent(original owner) said it put out 100
> watts on all bands. That would be rather difficult with only one
> tube!!
> Maybe there's a miscommunication somewhere. The radio should arrive
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> If it is a Korean version I wonder if a 6146B would fit into the
same
> slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!
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>
>
>
> Richard Harris
> PIPS Technology Ltd,
> York House,
> School Lane,
> Chandlers Ford,
> Eastleigh
> SO53 4DG
> United Kingdom
>
> Tel +44 (0) 2380 240250
> Direct +44 (0) 2380 240267
> Mobile +44 (0) 7808 935630
> Fax +44 (0) 2380 240251
>
> Web site www.pipstechnology.com

[Non-text portions of this message have been removed]

2584. Re: TS530/D

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-28 23:12:39 UTC
From: Robert
Topic: 2575 Message: 2584

Many Thanks Pete!!

I think you're right.

Robert

2585. TS830S overloaded front end

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 13:26:15 UTC
From: bob7255khz
Topic: 2585 Message: 2585

I had the ts830s on connected to it's antenna.....but was xmiting on another xcvr , different antenna, now the ts830 rcv's weak sig's only. What did I take out? What should I look at ? Xmit is OK.
73 THATS TO ALL WHO REPLY BOB N3OO

2586. Re: TS830S overloaded front end

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:07:18 UTC
From: n9wb
Topic: 2585 Message: 2586

bob: Here is some related
infohttp://www.eham.net/forums/ModsAndRepairs/3420

--- In TS-520_820_530_830@yahoogroups.com, "bob7255khz"
<bob7255khz@y...> wrote:
>
> I had the ts830s on connected to it's antenna.....but was xmiting
on
> another xcvr , different antenna, now the ts830 rcv's weak sig's
> only. What did I take out? What should I look at ? Xmit is OK.
> 73 THATS TO ALL WHO REPLY BOB N3OO

2587. 520s tuning wierdness

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:16:01 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2587 Message: 2587

So I have had my eBay purchased TS-520s on the air for 3 weeks now and things seem to be going well BUT....When I tune up the rig, on any band it seems, peaking the load is fine, dipping the plate is fine but then when I start to "walk the RF" up with the plate and load knobs, when I get to almost where everything is perfect, when adjusting the load control, just at the point where you would get maximum meter deflection, the meter drops and the output goes to zero! If I move the load control ever so slightly off that sweet spot everything comes back and is fine. This is everytime I tune up. This seems really, really odd but I AM getting out OK and getting 110 out more or less across the bands. So strange that at the point where the radio would be most accurately tuned up, it craps out (shorts out?). This only happens when I am doing the very, very final adjustment of the load control. Any thoughts? I looked briefly in the radio and could see or smell nothing cooked but I have to admit to not being terribly thourough. When this occurs the meter in the rig AND the meter in my transmatch both go to zero so I know it is not just a meter issue. Has any experieced similar happenings?

TNX,

Sean - WA2LKV

_____
Express yourself instantly with MSN Messenger! Download today - it's FREE!
hthttp://messenger.msn.click-url.com/go/onm00200471ave/direct/01/

2588. Re: [TS-520_820_530_830] Re: TS830S overloaded front end

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:22:42 UTC
From: akshay daniel
Topic: 2585 Message: 2588

I don't have a schematic of the 830 with me here, but
could it be back-back diodes or a static discharge
tube at the input to the RX? I have had this problem
with other rigs (older Yeasu) and it has often been
the above protection diodes/buld that was kaput!

73,
Ron, 6Y5/4S7RO

--- n9wb <n9wb@...> wrote:

>
> bob: Here is some related
> infohttp://www.eham.net/forums/ModsAndRepairs/3420
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "bob7255khz"
> <bob7255khz@y...> wrote:
> >
> > I had the ts830s on connected to it's
> antenna.....but was xmiting
> on
> > another xcvr , different antenna, now the ts830
> rcv's weak sig's
> > only. What did I take out? What should I look at ?
> Xmit is OK.
> > 73 THATS TO ALL WHO REPLY BOB N3OO
>
>
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>
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>

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2589. Re: [TS-520_820_530_830] 520s tuning wierdness

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:25:43 UTC
From: akshay daniel
Topic: 2587 Message: 2589

Tried cleaning the variable caps? Could be arching
across the plates due to dust or even a small insect
lodged between them?

73,
Ron, 6Y5/4S7RO

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> So I have had my eBay purchased TS-520s on the air
> for 3 weeks now and
> things seem to be going well BUT....When I tune up
> the rig, on any band it
> seems, peaking the load is fine, dipping the plate
> is fine but then when I
> start to "walk the RF" up with the plate and load
> knobs, when I get to
> almost where everything is perfect, when adjusting
> the load control, just at
> the point where you would get maximum meter
> deflection, the meter drops and
> the output goes to zero! If I move the load control
> ever so slightly off
> that sweet spot everything comes back and is fine.
> This is everytime I tune
> up. This seems really, really odd but I AM getting
> out OK and getting 110
> out more or less across the bands. So strange that
> at the point where the
> radio would be most accurately tuned up, it craps
> out (shorts out?). This
> only happens when I am doing the very, very final
> adjustment of the load
> control. Any thoughts? I looked briefly in the radio
> and could see or smell
> nothing cooked but I have to admit to not being
> terribly thourough. When
> this occurs the meter in the rig AND the meter in my
> transmatch both go to
> zero so I know it is not just a meter issue. Has any
> experieced similar
> happenings?
>
> TNX,

>
> Sean - WA2LKV
>
>

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2590. Re: [TS-520_820_530_830] TS830S overloaded front end

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:31:40 UTC
From: Bill K0ZL
Topic: 2585 Message: 2590

You mean it receives STRONG sigs only?

Chances are one or both of the 160m coils is burned in
the RF section.

I don't think these have a receive ant fuse like the
Yaesus...

Sorry for bad news.

Give me call at home if you need help.

303-424-4858

73,

Bill K0ZL

--- bob7255khz <bob7255khz@...> wrote:

>
> I had the ts830s on connected to it's
> antenna.....but was xmiting on
> another xcvr , different antenna, now the ts830
> rcv's weak sig's
> only. What did I take out? What should I look at ?
> Xmit is OK.
> 73 THATS TO ALL WHO REPLY BOB N3OO
>
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>

=====

"If in doubt, MODIFY" --k0zl

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2591. Re: [TS-520_820_530_830] Re: TS830S overloaded front end

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 14:37:42 UTC
From: Bill K0ZL
Topic: 2585 Message: 2591

next one of these I fix I will work up a mod to help
prevent.. not sure what it will take; coupla diodes
back to back, light bulb, MOV, or combo...

b

--- n9wb <n9wb@...> wrote:

>
> bob: Here is some related
> infohttp://www.eham.net/forums/ModsAndRepairs/3420
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "bob7255khz"
> <bob7255khz@y...> wrote:
> >
> > I had the ts830s on connected to it's
> antenna.....but was xmiting
> on
> > another xcvr , different antenna, now the ts830
> rcv's weak sig's
> > only. What did I take out? What should I look at ?
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2592. Re: [TS-520_820_530_830] 520s tuning wierdness

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 15:32:46 UTC
From: Bill K0ZL
Topic: 2587 Message: 2592

Unplug, open the PA enclosure, short the plate caps to
ground, then check the spacing on the loading cap.

The plates will close up with wear on the back
bearing. It is adjustable. You will need a bright
light to check as the gap is only about 0.008" or less

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> So I have had my eBay purchased TS-520s on the air
> for 3 weeks now and
> things seem to be going well BUT....When I tune up
> the rig, on any band it
> seems, peaking the load is fine, dipping the plate
> is fine but then when I
> start to "walk the RF" up with the plate and load
> knobs, when I get to
> almost where everything is perfect, when adjusting
> the load control, just at
> the point where you would get maximum meter
> deflection, the meter drops and
> the output goes to zero! If I move the load control
> ever so slightly off
> that sweet spot everything comes back and is fine.
> This is everytime I tune
> up. This seems really, really odd but I AM getting
> out OK and getting 110
> out more or less across the bands. So strange that
> at the point where the
> radio would be most accurately tuned up, it craps
> out (shorts out?). This
> only happens when I am doing the very, very final
> adjustment of the load
> control. Any thoughts? I looked briefly in the radio
> and could see or smell
> nothing cooked but I have to admit to not being
> terribly thourough. When
> this occurs the meter in the rig AND the meter in my
> transmatch both go to
> zero so I know it is not just a meter issue. Has any
> experieced similar
> happenings?

>
> TNX,
>
> Sean - WA2LKV
>
>

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2593. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 18:10:09 UTC
From: Bill K0ZL
Topic: 2567 Message: 2593

And He saw that it was good...

b

--- Steve Phillips <stevemp@...> wrote:

> My TS-820S meter is once again illumined.
>
> Thanks for the help!
>
> Steve
>

=====

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2594. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 18:29:05 UTC
From: stevemp@storm.ca
Topic: 2567 Message: 2594

You know I have only had this radio a few days but I really like it.

There's something special about these old rigs.

It's like they have a certain character that the new stuff doesn't have.

Don't get me wrong, I appreciate all the amazing things they have added to modern rigs. I just like to be in touch with some of the roots so to speak.

Can you tell I'm a new ham? ha ha

I have been around radio since I was 12 and I hit 40 this year. But I just got my ham license in April. So it's an new from a personal experience perspective. And I am enjoying it very much.

Now when is that G5RV arriving?..... ;-)

Steve

>
> And He saw that it was good...
>
> b
>
> --- Steve Phillips <stevemp@...> wrote:
>
> > My TS-820S meter is once again illumined.
> > >
> > > Thanks for the help!
> > >
> > > Steve
> > >
>
> =====
>
> "If in doubt, MODIFY" --k0zl
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2596. 10M OPEN!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 19:18:10 UTC
From: Bill
Topic: 2596 Message: 2596

10M will be open all weekend Lord willin', be sure to GET ON THERE guys and gals!

Sounds like it did last winter. And on a weekend! Yippee!!!

I will be listening on 29.600FM and other parts of the band. Open to east coast right now from Denver.

73 all!

Bill K0ZL

2597. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 19:42:32 UTC
From: Bill K0ZL
Topic: 2567 Message: 2597

New ham? Couldn't tell.. ha..

I love the vintage rigs too. Running Valiant and
NC-300 on AM; should fire it up on ten meters this
weekend.

b

--- stevemp@... wrote:

>
> You know I have only had this radio a few days but I
> really like it.
>
> There's something special about these old rigs.
>
> It's like they have a certain character that the new
> stuff doesn't have.
>
> Don't get me wrong, I appreciate all the amazing
> things they have added to
> modern rigs. I just like to be in touch with some
> of the roots so to speak.
>
> Can you tell I'm a new ham? ha ha
>
> I have been around radio since I was 12 and I hit 40
> this year. But I just got
> my ham license in April. So it's an new from a
> personal experience perspective.
> And I am enjoying it very much.
>
> Now when is that G5RV arriving?..... ;-)
>
> Steve
>
> >
> > And He saw that it was good...
> >
> > b
> >
> > --- Steve Phillips <stevemp@...> wrote:
> >
> > > My TS-820S meter is once again illumined.
> > >
> > > Thanks for the help!

> > >
> > > Steve
> > >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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2598. Re: [TS-520_820_530_830] Re: Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 22:48:05 UTC
From: Bill K0ZL
Topic: 2394 Message: 2598

Sure wish I did but haven't had to buy one yet.

Sorry I could not help.

b

--- almikk62 <almikk@...> wrote:

>
> Bill,
> Do you have a Radio Shack part number for this
> transformer as I need
> one also and will a cobra power mic work on a
> TS-820S?
> Thanks! Al KE7ALG
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > Rat Shack used to sell those things, blister pack
> > transformer, coupla bucks... if they don't have
> them,
> > come back, we will find you one.
> >
> > b
> >
> > --- John Shadle <jshadle.geo@y...> wrote:
> >
> > >
> > > I have a TS-520 which came with no microphone.
> I
> > > have a couple of
> > > old swap-meet mikes whose plugs fit the TS-520,
> but
> > > they have no
> > > matching transformers inside. The TS-520 manual
> is
> > > adamant about
> > > having a mike with a 50K impedance.
> > >
> > > Does anyone have any ideas? Help will be much
> > > appreciated.
> > >
> > > John
> > > kc0rpw
> > >

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> > =====
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> > "If in doubt, MODIFY" --k0zl
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2599. TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-29 23:36:04 UTC
From: ke4iza001
Topic: 2599 Message: 2599

I was lucky enough to purchase a TS-530S from the original non-smoking owner with new finals. Controls and face are as perfect. The case is another story although no real bad. No rust or dents. Simply wear marks where the paint has been rubbed off. I also have the matching speaker with the case in the same condition. I want to remove the upper and lower radio case and the speaker case and paint them. Maybe even bake them in the over afterwards. Has anyone ever painted their cases? It is not alot of trouble but I do not want the results looking like a monkey with a spray can went wild.

Thanks and 73

Jim - ke4iza

2600. Re: TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 01:52:36 UTC
From: n9wb
Topic: 2599 Message: 2600

Jim:

The trick will to be to find a colour that matches the original paint. Many paint stores that supply paint to auto dealers can mix any colour with a computer and put it into a spray can.

Remove any rubber, plastic, leather, or anything that will melt. Remove the speaker. Sand the case smooth and remove any rust. Deep gouges can be filled with glazing putty and sanded. Spray with primer. Bake. Spray with an even coat. Any runs should be dried and then sanded and repainted. Touch up (like corners and edges) can be done with a bit of paint sprayed on the end of a stick or piece of broom straw with a blunt end. I have found that Q-tips leave cotton fuzz although the stick with the cotton removed works well.

Baking: Place in oven (your wife will love this) and set to 175 F. Bake for 3 to 4 hours. Be sure that it is not hot enough to scorch the paint. You can also air dry it but it must be in a warm dry place with no dust in the air. Air-drying takes a couple of days per coat.

If you live in a warm climate or if it is summertime, you can let the paint air-dry partially then set it in the sun for several hours. This usually works best if temperature is 80d F or higher. Once I used an old car with the windows up.

Be careful about dust particles. If this does happen, sand smooth and repaint.

If you want a really shiny finish, you can rub with a wet rag with automobile polishing compound and water. Be sure the paint is fully dry. The original Kenwood cover is not shiny so you can skip this step.

BTW, Be sure to have object at room temperature when applying paint. If object is hot, you will have problems.

Grounding: Where the screws hold the case on, there needs to be electrical contact to the chassis. The underneath side should have bare metal in this area. If you paint the underneath, put masking tape over these spots so there will still be conductivity with the chassis underneath.

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "ke4iza001" <generalemail@c...> wrote:

>
>
> I was lucky enough to purchase a TS-530S from the original non-
> smoking owner with new finals. Controls and face are as perfect.
The
> case is another story although no real bad. No rust or dents.
> Simply wear marks where the paint has been rubbed off. I also have
> the matching speaker with the case in the same condition. I want
to
> remove the upper and lower radio case and the speaker case and
paint
> them. Maybe even bake them in the over afterwards. Has anyone
ever
> painted their cases? It is not alot of trouble but I do not want
the
> results looking like a monkey with a spray can went wild.
>
> Thanks and 73
>
> Jim - ke4iza

2601. Re: [TS-520_820_530_830] Re: Microphone help needed.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 03:17:49 UTC
From: Eric Webner
Topic: 2394 Message: 2601

John,

Before you fart around with getting a transformer, try the microphone out as is. While I realize that Kenwood calls for a 50k mic, I spent a lot of time trying to match a D-104 to my TS-520 before I tried plugging it in directly. It worked great! The transformers simply resulted in poor audio and distortion.

Let us know what works for you.

73,

Eric
KA8FAN

Bill K0ZL <coorsbill@...> wrote:
Sure wish I did but haven't had to buy one yet.

Sorry I could not help.

b

--- almikk62 <almikk@...> wrote:

>
> Bill,
> Do you have a Radio Shack part number for this
> transformer as I need
> one also and will a cobra power mic work on a
> TS-820S?
> Thanks! Al KE7ALG
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > Rat Shack used to sell those things, blister pack
> > transformer, coupla bucks... if they don't have
> them,
> > come back, we will find you one.
> >
> > b
> >
> > --- John Shadle <jshadle.geo@y...> wrote:
> >
> > >
> > > I have a TS-520 which came with no microphone.
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> > > have a couple of

> > > old swap-meet mikes whose plugs fit the TS-520,
> but
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> > > matching transformers inside. The TS-520 manual
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> > > adamant about
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> > > Does anyone have any ideas? Help will be much
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> > > John
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> > "If in doubt, MODIFY" --k0zl
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[Non-text portions of this message have been removed]

2602. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 03:21:32 UTC
From: Eric Webner
Topic: 2567 Message: 2602

My first rig was a Johnson Viking Ranger. . . and so was my second. I've had my TS-520 since 1980 and am now working on repairing a Drake C-line. Must be the love of cold beer and warm tubes!

And for you newbies, both of those can be refered to as an "807!"

Eric

Bill K0ZL <coorsbill@...> wrote:
New ham? Couldn't tell.. ha..

I love the vintage rigs too. Running Valiant and
NC-300 on AM; should fire it up on ten meters this
weekend.

b

--- stevemp@... wrote:

>
> You know I have only had this radio a few days but I
> really like it.
>
> There's something special about these old rigs.
>
> It's like they have a certain character that the new
> stuff doesn't have.
>
> Don't get me wrong, I appreciate all the amazing
> things they have added to
> modern rigs. I just like to be in touch with some
> of the roots so to speak.
>
> Can you tell I'm a new ham? ha ha
>
> I have been around radio since I was 12 and I hit 40
> this year. But I just got
> my ham license in April. So it's an new from a
> personal experience perspective.
> And I am enjoying it very much.
>
> Now when is that G5RV arriving?..... ;-)
>
> Steve
>
> >
> > And He saw that it was good...

> >
> > b
> >
> > --- Steve Phillips <stevemp@...> wrote:
> >
> > > My TS-820S meter is once again illumined.
> > >
> > > Thanks for the help!
> > >
> > > Steve
> > >
> >
> > =====
> >
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[Non-text portions of this message have been removed]

2603. Re: [TS-520_820_530_830] Re: Korean Version

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 03:28:38 UTC
From: Eric Webner
Topic: 133 Message: 2603

Wonder if the power supply is the same for both models?

peter A markavage <pmarkavage@...> wrote:
S2001A's are identical to 6146B's. The 530D schematic seems to imply that the second socket for the other S2001A (530S & SP) is there and wired up. Looks like they made some "minor" changes (capacitors) to the tank circuit to accommodate just the one tube. Didn't look close to the driver circuitry. Probably could be converted over to a 530SP.

Pete, wa2cwa

On Thu, 28 Oct 2004 04:26:59 -0000 "Robert" <kd7aub@...> writes:

Richard,

Thanks very much for the info. I've put in many, many hours of internet research on this. Finally, an answer!

I'm not sure what to think now however. I purchased the rig via the internet(qrz.com) and the gent(original owner) said it put out 100 watts on all bands. That would be rather difficult with only one tube!!
Maybe there's a miscommunication somewhere. The radio should arrive early next week. We'll see when I open the box.

If it is a Korean version I wonder if a 6146B would fit into the same slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!

Robert

--- In TS-520_820_530_830@yahoogroups.com, Richard Harris <rjharris@i...> wrote:
> Robert,
>
> According to information buried in the TS530SP/D operating and service
> manuals, the /D version uses just one S2001A (Japanese 6146B) in the
> PA. It is rated at 160W PEP and 130W CW input (as against 220W PEP and
> 180W CW for /SP). I recall that somewhere in one or the other of the
> manuals there is mention that the /D version was produced for the Korean
> market. The AC line voltage setting is slightly different between the /D
> and /SP.

>
> The difference between the /S and the /SP is that the /SP has an
audio
> notch in the place occupied by the AF gain control and the AF gain
control
> is concentric with the RF gain.
>
> The TS530 was made in early '80s - I don't have a range of dates
but I have
> a copy of the review of the TS830 dated July 1982 that appear
in "Radio
> Communication" (RSGB) in the UK - the '530 was a lower spec version
of the
> '830 although some of the PCBs are common to both.
>
> 73s
>
> Richard G3OTK
>
> At 23:52 26/10/2004 +0000, you wrote:
>
> >Bill,
> >
> >I'm still wondering why the manual has a "D" at the end of the rig
> >number(ha)..... I had one gent tell me it meant the rig has 6
> >meters (must be whacked) and another said it means "digital"
display
> >(which seems reasonable).
> >Your dillybopper idea has it's merit's, all the "newer" rigs have
> >lot's of dillybopper's on them. As a matter of fact they seem to be
> >mostly dillybopper.
> >OK I'll shut up.
> >
> >Robert
> >
> >Does anyone know what years the 530SP(/D) were manufactured?
> >
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...>
> >wrote:
> > > Hi Robert,
> > >
> > > Welcome to our highly es-steamed group! hi hi...
> > >
> > > Slide guitarists sure are an odd lot...
> > >
> > > Congrats on the General and the new rig.

> > >
> > > The "D" stands for dillybopper, which the 530 did not
> > > come with when stock.
> > >
> > > 73!
> > >
> > > Bill K0ZL
> > >
> > > --- Robert <kd7aub@y...> wrote:
> > >
> > > >
> > > > Hello to all on the group. Thank you Bill for
> > > > letting me into this
> > > > esteemed gathering of individuals who obviously have
> > > > great taste(ha).
> > > >
> > > > I live in southern Oregon and have been into various
> > > > things having to
> > > > do with radio since I was BCB dxing starting around
> > > > 10 years old. I'm
> > > > also a musician and record my own music.
> > > >
> > > > I am "almost" a Kenwood owner. I just purchased a
> > > > 530SP/D...It should
> > > > be in my mits by early next week!
> > > > Also I will be a General upon passing my code test
> > > > next month. VERY
> > > > much looking forward to getting on HF!!!
> > > >
> > > > One thing I'm wondering is what does the "D" stand
> > > > for in TS 530SP/D?
> > > >
> > > > Robert
> > > > KD7AUB

[Non-text portions of this message have been removed]

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2604. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 04:02:51 UTC
From: akshay daniel
Topic: 2567 Message: 2604

> And for you newbies, both of those can be refered to
> as an "807!"

Some call them 813s (I guess the more potent ones!).
We still refer to them as 807s when calling someone
over for a drink. However, I cam across a rather
interesting one on a recent trip back to Asia and
after many 40m QSOs with VU2s -- many often said "I
must say 73 now and run for my modulation" One even
said "plate modulation" Had me confused for a while
until I realised that they meant "dinner" or simply
that they had to go have a "meal" !!!

BTW, I restored a T4XB a few years ago. It was left
idle in an outhouse for years and a famly of rats had
made a home inside! My first job was to hold the
garden hose inside and outside the rig! Try doing that
with an 850!!!

73!
Ron, 6Y5/4S7RO

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2605. Re: [TS-520_820_530_830] TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 06:36:48 UTC
From: Tom
Topic: 2599 Message: 2605

ke4iza001 wrote:
>
>
> I was lucky enough to purchase a TS-530S from the original non-
> smoking owner with new finals. Controls and face are as perfect. The
> case is another story although no real bad. No rust or dents.
> Simply wear marks where the paint has been rubbed off. I also have
> the matching speaker with the case in the same condition. I want to
> remove the upper and lower radio case and the speaker case and paint
> them. Maybe even bake them in the over afterwards. Has anyone ever
> painted their cases? It is not alot of trouble but I do not want the
> results looking like a monkey with a spray can went wild.
>
> Thanks and 73
>
> Jim - ke4iza
>
>
>
>
>
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>
> ---
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> <mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>
>
> * Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> Service <http://docs.yahoo.com/info/terms/>.
>
>
Very easy to do. I bought the matching spray paint on ebay, looks like new.

2606. Re: [TS-520_820_530_830] TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 13:18:57 UTC
From: Bill K0ZL
Topic: 2599 Message: 2606

I use Krylon "Dove Grey" for much of my K'wood repainting. It's a little lighter than stock grey. You can find Kenwood color paint suppliers on the web.

Most important is to sand the scratched down, starting with a 220 grit paper and ending with 400. You can then polish out the sandpaper scratches with a piece of emory cloth.

This after removing all hardware of course.

The case must be clean. Choose a day with little or no wind and no leaves blowing around!

Clean the case with denatured alcohol. Wear a cheap pair of cotton gloves if you want to keep all fingerprints off.

Paint over newspaper or with the case piece suspended by bent coathanger. I like them flat on paper as this will help keep the paint from running if you over-spray.

Get the paint can "all shook up" (sorry Elvis) and spray test shot on paper first.

As you spray the piece, begin motion away from the piece, press on the valve to start the paint spray, then sweep it evenly across the piece, releasing the valve only after clearing the other side of the piece.

Slightly overlap sweeps but don't allow paint to accumulated too thick.

Paint one surface at a time and let it dry for 20 minutes before moving it.

You can paint one coat, let it dry, then paint the next coat; on the 2nd coat you should see a pretty good surface of wet paint, which will tend to smooth out any existing scratches.

After the second coat, put the piece in the oven at 200 degrees for about 90 minutes or until the paint smell is gone (best make sure Mom is gone, hi). Don't worry, paint fumes won't "stick" in the oven, just make sure you take the bird out of the area and provide plenty of ventilation. Let the piece cool in

the oven until you can touch it. You can dry as many
pieces as you have room for at a time.

When you get the piece out, make sure it is cool to
the touch. then you will notice that you cannot
scratch the paint with a fingernail; try this in an
inconspicuous place first. You will be amazed how hard
the baked Krylon finish can be.

bill
--- ke4iza001 <generalemail@...> wrote:

>
>
> I was lucky enough to purchase a TS-530S from
> the original non-
> smoking owner with new finals. Controls and face
> are as perfect. The
> case is another story although no real bad. No rust
> or dents.
> Simply wear marks where the paint has been rubbed
> off. I also have
> the matching speaker with the case in the same
> condition. I want to
> remove the upper and lower radio case and the
> speaker case and paint
> them. Maybe even bake them in the over afterwards.
> Has anyone ever
> painted their cases? It is not alot of trouble but
> I do not want the
> results looking like a monkey with a spray can went
> wild.
>
> Thanks and 73
>
> Jim - ke4iza
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2607. Re: [TS-520_820_530_830] Re: TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 13:24:51 UTC
From: Bill K0ZL
Topic: 2599 Message: 2607

Darn Walt we think alike <shudder>

I will incorporate your additional tips in an article
I am doing for the group FILES section.
b

--- n9wb <n9wb@...> wrote:

>
> Jim:
>
> The trick will to be to find a colour that matches
> the original
> paint. Many paint stores that supply paint to auto
> dealers can mix
> any colour with a computer and put it into a spray
> can.
>
> Remove any rubber, plastic, leather, or anything
> that will melt.
> Remove the speaker. Sand the case smooth and remove
> any rust. Deep
> gouges can be filled with glazing putty and sanded.
> Spray with
> primer. Bake. Spray with an even coat. Any runs
> should be dried and
> then sanded and repainted. Touch up (like corners
> and edges) can be
> done with a bit of paint sprayed on the end of a
> stick or piece of
> broom straw with a blunt end. I have found that
> Q-tips leave cotton
> fuzz although the stick with the cotton removed
> works well.
>
> Baking: Place in oven (your wife will love this)
> and set to 175 F.
> Bake for 3 to 4 hours. Be sure that it is not hot
> enough to scorch
> the paint. You can also air dry it but it must be
> in a warm dry
> place with no dust in the air. Air-drying takes a
> couple of days per
> coat.
>
> If you live in a warm climate or if it is

> summertime, you can let the
> paint air-dry partially then set it in the sun for
> several hours.
> This usually works best if temperature is 80d F or
> higher. Once I
> used an old car with the windows up.
>
> Be careful about dust particles. If this does
> happen, sand smooth
> and repaint.
>
> If you want a really shiny finish, you can rub with
> a wet rag with
> automobile polishing compound and water. Be sure
> the paint is fully
> dry. The original Kenwood cover is not shiny so you
> can skip this
> step.
>
> BTW, Be sure to have object at room temperature when
> applying paint.
> If object is hot, you will have problems.
>
> Grounding: Where the screws hold the case on, there
> needs to be
> electrical contact to the chassis. The underneath
> side should have
> bare metal in this area. If you paint the
> underneath, put masking
> tape over these spots so there will still be
> conductivity with the
> chassis underneath.
>
> Vy 73, Walt N9WB
>
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "ke4iza001"
> <generalemail@c...> wrote:
> >
> >
> > I was lucky enough to purchase a TS-530S from
> the original non-
> > smoking owner with new finals. Controls and face
> are as perfect.
> The
> > case is another story although no real bad. No
> rust or dents.
> > Simply wear marks where the paint has been rubbed
> off. I also have

> > the matching speaker with the case in the same
> condition. I want
> to
> > remove the upper and lower radio case and the
> speaker case and
> paint
> > them. Maybe even bake them in the over
> afterwards. Has anyone
> ever
> > painted their cases? It is not alot of trouble
> but I do not want
> the
> > results looking like a monkey with a spray can
> went wild.
> >
> > Thanks and 73
> >
> > Jim - ke4iza
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2608. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 13:28:52 UTC
From: Bill K0ZL
Topic: 2567 Message: 2608

That's great, Eric!

I just posted a trivia question to QRZ about '807's...

73,

Bill

--- Eric Webner <ka8fan@...> wrote:

> My first rig was a Johnson Viking Ranger. . . and so
> was my second. I've had my TS-520 since 1980 and am
> now working on repairing a Drake C-line. Must be the
> love of cold beer and warm tubes!
>
> And for you newbies, both of those can be refered to
> as an "807!"
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> New ham? Couldn't tell.. ha..
>
> I love the vintage rigs too. Running Valiant and
> NC-300 on AM; should fire it up on ten meters this
> weekend.
>
> b
>
> --- stevemp@... wrote:
>
> >
> > You know I have only had this radio a few days but
> I
> > really like it.
> >
> > There's something special about these old rigs.
> >
> > It's like they have a certain character that the
> new
> > stuff doesn't have.
> >
> > Don't get me wrong, I appreciate all the amazing
> > things they have added to
> > modern rigs. I just like to be in touch with some
> > of the roots so to speak.

> >
> > Can you tell I'm a new ham? ha ha
> >
> > I have been around radio since I was 12 and I hit
> 40
> > this year. But I just got
> > my ham license in April. So it's an new from a
> > personal experience perspective.
> > And I am enjoying it very much.
> >
> > Now when is that G5RV arriving?..... ;-)
> >
> > Steve
> >
> > >
> > > And He saw that it was good...
> > >
> > > b
> > >
> > > --- Steve Phillips <stevemp@...> wrote:
> > >
> > > > My TS-820S meter is once again illumined.
> > > >
> > > > Thanks for the help!
> > > >
> > > > Steve
> > > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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>
> ---
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> now.
>
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> removed]
>
>

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"If in doubt, MODIFY" --k0zl

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2609. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 13:32:24 UTC
From: Bill K0ZL
Topic: 2567 Message: 2609

I hope you let the rats escape first! hi...

The 813? well that would have to be a large can of
Foster's I should think.

b

--- akshay daniel <danielakshay@...> wrote:

>
> > And for you newbies, both of those can be refered
> to
> > as an "807!"
>
> Some call them 813s (I guess the more potent ones!).
> We still refer to them as 807s when calling someone
> over for a drink. However, I cam across a rather
> interesting one on a recent trip back to Asia and
> after many 40m QSOs with VU2s -- many often said "I
> must say 73 now and run for my modulation" One even
> said "plate modulation" Had me confused for a while
> until I realised that they meant "dinner" or simply
> that they had to go have a "meal" !!!
>
> BTW, I restored a T4XB a few years ago. It was left
> idle in an outhouse for years and a famly of rats
> had
> made a home inside! My first job was to hold the
> garden hose inside and outside the rig! Try doing
> that
> with an 850!!!
>
> 73!
> Ron, 6Y5/4S7RO
>
>
>
> _________________________________
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> finish.
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"If in doubt, MODIFY" --k0zl

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2610. Re: [TS-520_820_530_830] TS-820S receiver audio noise with AF Gain all the way off

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 14:55:18 UTC
From: Bill K0ZL
Topic: 2356 Message: 2610

Dimitri, have you made any progress on this issue?

b

--- dimitri@... wrote:

> With the AF gain at minimum there is some barely
> audible hiss AND some
> sort of crackling noise (sounds like QRM on 160M
> :)).You have to be
> very close to the speaker to hear it
>
> Both of these get completely covered up as soon as
> the AF gain is
> increased by the band noise.
>
> However...i'd like to get rid of the crackling noise
> - provided I
> figure out what causes it :)
>
> I was wondering if anyone else has encountered this
> problem.
>
>
>
> Dimitri
> kf6qex
>
>

=====

"If in doubt, MODIFY" --k0zl

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2611. RE: [TS-520_820_530_830] Re: TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 14:34:51 UTC
From: Brian
Topic: 2599 Message: 2611

Well, if you're going to make an "official" file about it all, I've noticed that nobody mentioned humidity (definitely a concern for those in the south-eastern states, most of the year). If you paint an object (radio case, car part, etc) outdoors when the humidity is too high, you'll end up with an "orange peel" texture on the surface when the paint dries -- you'll see this effect on some "cheap" automotive paint jobs from time to time. The secret is to either paint indoors where you can control the humidity, or patiently wait for a day with humidity < 50% and temperature between 70 and 80 degrees Fahrenheit. I've painted a few car parts in my back yard this way, using DupliColor touch-up paint, and the result is indistinguishable from the factory paint job.

Obviously, if you're drying in the kitchen oven, humidity isn't a problem! Occasionally, though, you might find some plastic pieces that need to be painted, or perhaps the oven won't be available for paint drying ...

73 de AI4AI,
- Brian

-----Original Message-----
From: Bill K0ZL [mailto:coorsbill@...]
Sent: Saturday, October 30, 2004 9:25 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: TS-530 Paint

Darn Walt we think alike <shudder>

I will incorporate your additional tips in an article
I am doing for the group FILES section.
b

--- n9wb <n9wb@...> wrote:

>
> Jim:
>
> The trick will to be to find a colour that matches
> the original
> paint. Many paint stores that supply paint to auto
> dealers can mix
> any colour with a computer and put it into a spray
> can.
>
> Remove any rubber, plastic, leather, or anything
> that will melt.
> Remove the speaker. Sand the case smooth and remove
> any rust. Deep

> gouges can be filled with glazing putty and sanded.
> Spray with
> primer. Bake. Spray with an even coat. Any runs
> should be dried and
> then sanded and repainted. Touch up (like corners
> and edges) can be
> done with a bit of paint sprayed on the end of a
> stick or piece of
> broom straw with a blunt end. I have found that
> Q-tips leave cotton
> fuzz although the stick with the cotton removed
> works well.
>
> Baking: Place in oven (your wife will love this)
> and set to 175 F.
> Bake for 3 to 4 hours. Be sure that it is not hot
> enough to scorch
> the paint. You can also air dry it but it must be
> in a warm dry
> place with no dust in the air. Air-drying takes a
> couple of days per
> coat.
>
> If you live in a warm climate or if it is
> summertime, you can let the
> paint air-dry partially then set it in the sun for
> several hours.
> This usually works best if temperature is 80d F or
> higher. Once I
> used an old car with the windows up.
>
> Be careful about dust particles. If this does
> happen, sand smooth
> and repaint.
>
> If you want a really shiny finish, you can rub with
> a wet rag with
> automobile polishing compound and water. Be sure
> the paint is fully
> dry. The original Kenwood cover is not shiny so you
> can skip this
> step.
>
> BTW, Be sure to have object at room temperature when
> applying paint.
> If object is hot, you will have problems.
>
> Grounding: Where the screws hold the case on, there
> needs to be
> electrical contact to the chassis. The underneath

> side should have
> bare metal in this area. If you paint the
> underneath, put masking
> tape over these spots so there will still be
> conductivity with the
> chassis underneath.
>
> Vy 73, Walt N9WB
>
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "ke4iza001"
> <generalemail@c...> wrote:
> >
> >
> > I was lucky enough to purchase a TS-530S from
> the original non-
> > smoking owner with new finals. Controls and face
> are as perfect.
> The
> > case is another story although no real bad. No
> rust or dents.
> > Simply wear marks where the paint has been rubbed
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> > remove the upper and lower radio case and the
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> paint
> > them. Maybe even bake them in the over
> afterwards. Has anyone
> ever
> > painted their cases? It is not alot of trouble
> but I do not want
> the
> > results looking like a monkey with a spray can
> went wild.
> >
> > Thanks and 73
> >
> > Jim - ke4iza
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2612. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 15:27:43 UTC
From: Eric Webner
Topic: 2567 Message: 2612

813 = keg o' beer?

Bill K0ZL <coorsbill@...> wrote:I hope you let the rats escape first! hi...

The 813? well that would have to be a large can of
Foster's I should think.

b

--- akshay daniel <danielakshay@...> wrote:

>
> > And for you newbies, both of those can be refered
> to
> > as an "807!"
>
> Some call them 813s (I guess the more potent ones!).
> We still refer to them as 807s when calling someone
> over for a drink. However, I cam across a rather
> interesting one on a recent trip back to Asia and
> after many 40m QSOs with VU2s -- many often said "I
> must say 73 now and run for my modulation" One even
> said "plate modulation" Had me confused for a while
> until I realised that they meant "dinner" or simply
> that they had to go have a "meal" !!!
>
> BTW, I restored a T4XB a few years ago. It was left
> idle in an outhouse for years and a famly of rats
> had
> made a home inside! My first job was to hold the
> garden hose inside and outside the rig! Try doing
> that
> with an 850!!!
>
> 73!
> Ron, 6Y5/4S7RO
>
>
>
> _____
> Do you Yahoo!?
> Yahoo! Mail Address AutoComplete - You start. We
> finish.
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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2613. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 15:45:47 UTC
From: akshay daniel
Topic: 2567 Message: 2613

Hehehehehehe I travel a lot (with the job) and have
seen 750ml bottles of beer esp in Asia! Bintang,
Carlesburg, Lion Lager....the list is endless!!!!

--- Eric Webner <ka8fan@...> wrote:

> 813 = keg o' beer?
>
> Bill K0ZL <coorsbill@...> wrote:I hope you let
> the rats escape first! hi...
>
> The 813? well that would have to be a large can of
> Foster's I should think.
>
> b
>
>
> --- akshay daniel <danielakshay@...> wrote:
>
> >
> > > And for you newbies, both of those can be
> refered
> > > to
> > > > as an "807!"
> > >
> > > Some call them 813s (I guess the more potent
> ones!).
> > > We still refer to them as 807s when calling
> someone
> > > over for a drink. However, I cam across a rather
> > > interesting one on a recent trip back to Asia and
> > > after many 40m QSOs with VU2s -- many often said
> "I
> > > must say 73 now and run for my modulation" One
> even
> > > said "plate modulation" Had me confused for a
> while
> > > until I realised that they meant "dinner" or
> simply
> > > that they had to go have a "meal" !!!
> > >
> > > BTW, I restored a T4XB a few years ago. It was
> left
> > > idle in an outhouse for years and a famly of rats
> > > had

> > made a home inside! My first job was to hold the
> > garden hose inside and outside the rig! Try doing
> > that
> > with an 850!!!
> >
> > 73!
> > Ron, 6Y5/4S7RO
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail Address AutoComplete - You start. We
> > finish.
> > http://promotions.yahoo.com/new_mail
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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>
> _____
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>
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> removed]
>
>

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Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

2614. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 15:50:37 UTC
From: Eric Webner
Topic: 2567 Message: 2614

Only takes one of those!

akshay daniel <danielakshay@...> wrote:

Hehehehehe I travel a lot (with the job) and have
seen 750ml bottles of beer esp in Asia! Bintang,
Carlesburg, Lion Lager....the list is endless!!!!

--- Eric Webner <ka8fan@...> wrote:

> 813 = keg o' beer?
>
> Bill K0ZL <coorsbill@...> wrote:I hope you let
> the rats escape first! hi...
>
> The 813? well that would have to be a large can of
> Foster's I should think.
>
> b
>
>
> --- akshay daniel <danielakshay@...> wrote:
>
> >
> > > And for you newbies, both of those can be
> refered
> > to
> > > as an "807!"
> > >
> > Some call them 813s (I guess the more potent
> ones!).
> > We still refer to them as 807s when calling
> someone
> > over for a drink. However, I cam across a rather
> > interesting one on a recent trip back to Asia and
> > after many 40m QSOs with VU2s -- many often said
> "I
> > must say 73 now and run for my modulation" One
> even
> > said "plate modulation" Had me confused for a
> while
> > until I realised that they meant "dinner" or
> simply
> > that they had to go have a "meal" !!!
> > >
> > BTW, I restored a T4XB a few years ago. It was

> left
> > idle in an outhouse for years and a famly of rats
> > had
> > made a home inside! My first job was to hold the
> > garden hose inside and outside the rig! Try doing
> > that
> > with an 850!!!
> >
> > 73!
> > Ron, 6Y5/4S7RO
> >
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> > _____
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[Non-text portions of this message have been removed]

2615. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 17:48:15 UTC
From: Dave & Loraine
Topic: 2567 Message: 2615

Lion Lager? I spent 30yrs in South Africa drinking the stuff.
Try it hetrodyned with a barbeque...

2616. TS-830S Power Output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-30 23:43:32 UTC
From: ke4iza001
Topic: 2616 Message: 2616

I just got a TS-830S and was wondering if the power output normal.
On 10m all I can get is 90w. On 40 meters I get almost 150w. Is
this normal?

Thanks

2617. TS-830 WARC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 00:41:01 UTC
From: ke4iza001
Topic: 2617 Message: 2617

I have aquired a TS-830S with the WARC bands still locked out.
The manual states there are diodes in place to prevent transmission
before FCC approval but gives no reference to where or what diodes.
How do i release the WARC bands for transmit?

2618. Re: [TS-520_820_530_830] TS-830 WARC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 00:59:41 UTC
From: peter A markavage
Topic: 2617 Message: 2618

TS-830S Operating manual page 28, Section 6.5.

Pete, wa2cwa

On Sun, 31 Oct 2004 00:41:01 -0000 "ke4iza001" <generalemail@...>
writes:

I have aquired a TS-830S with the WARC bands still locked out.
The manual states there are diodes in place to prevent transmission
before FCC approval but gives no reference to where or what diodes.
How do i release the WARC bands for transmit?

[Non-text portions of this message have been removed]

2619. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 03:41:55 UTC
From: Mack
Topic: 172 Message: 2619

Bill thanks but have solved my problem. I found that I had no RB2 on the IF board. RB2 provides the bias to g2 on Q3 and Q4. Resoldered pins on connector and that took care problem. I had a bit of a time with the connectors when I first removed the board, they were kind of tight and I believe I loosened up a bad solder joint.
Thanks for assist offer.....73,

Mack

----- Original Message -----
From: Bill K0ZL<mailto:coorsbill@...>
To: TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, October 27, 2004 4:33 PM
Subject: Re: [TS-520_820_530_830] Hello

See what you can see with RF probe on DVM... I will
have some time to chase schematics now that I am off
work for a bit.

73,

Bill

--- Mack <mack_hutch@...<mailto:mack_hutch@...>> wrote:

> Bill said
> "Sounds like you lost one of the local oscillators
> on
> the IF unit."
>
>
> Thanks Bill, I will check that out.
> MH
>
>
> ----- Original Message -----
> From: Bill K0ZL<mailto:coorsbill@...>
> To:
>
TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
>
> Sent: Tuesday, October 26, 2004 2:21 PM
> Subject: Re: [TS-520_820_530_830] Hello
>
>
> Sounds like you lost one of the local oscillators
> on
> the IF unit. we used to call it the "bfo"...

>
> b
>
> --- kc9_max
>
<mack_hutch@...<mailto:mack_hutch@...>>
> wrote:
>
> >
> >
> > Hi, names Mack, but since buddies at work have
> > dubbed me with
> > Mack "Attack" that is what I go by.
> > I am 50 years young and just recently received
> my
> > general class
> > ticket. Some might refer to me as a newbie
> > and would be more or less correct as far as
> being a
> > licensed ham. I
> > spent four years in the Navy as a Radioman,
> > 1972-1976. In 1978 or
> > there abouts I met someone who got me interested
> in
> > amatuer radio. I
> > bought a Kenwood 520 from him, that had been
> > modified for 11 meter.
> > The plan was to get my amatuer license, but in
> the
> > mean time I could
> > operate SSB on CB bands. Well I took a course
> from
> > Heathkit for
> > novice and tech and got my code up to about 13
> wpm.
> > But things
> > happen, ie. daughter was born, we needed more
> room,
> > bought another
> > fixer upper, changed jobs several times and etc.
> > etc. Long story
> > short never got my license untill things settled
> > down some. That was
> > 25 year later! Some guys I work with got their
> > licenses and
> > listening to them rekindled my interest. I look
> > forward to exploring
> > the many new aspects of this hobby and being
> part of
> > amateur radio

> > and this group.
> > To get me started I have bought another
> Kenwood, a
> > 530 this time
> > and find it comfortably familar in appearance
> and
> > operation to the
> > 520, only with a few more bells and whistles. It
> > worked fine when I
> > bought it but since has devolped a problem. A
> brief
> > description of
> > problem: I hear no stations on any of the bands.
> The
> > S meter shows a
> > 9 DB signal and does not vary much when I turn
> RF
> > gain up or down. I
> > have noticed what looks like some signal
> activity
> > that will show up
> > as fluctuation between 9 and 15 on s meter, but
> > still no audio.
> > These problems developed after I took IF out to
> fix
> > a loose
> > connection that was affecting the RIT. I have
> > ordered service manual
> > from manuaman.com. If anyone has had similar
> > experience or have some
> > tips or advice please let me know. TIA and 73s.
> >
> >
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>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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[Non-text portions of this message have been removed]

2620. RE: [TS-520_820_530_830] Re: TS-530 Paint--orange peel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 03:42:29 UTC
From: donii@sympatico.ca
Topic: 2620 Message: 2620

Brian wrote:
<< outdoors when the humidity is too high, you'll end up
with an "orange peel" texture on the surface when the paint dries >>
Isn't an orange peel finish desiredon on the Kenwoods' case??
Peter
VE2FAR

2621. Re: 10M OPEN!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 04:38:07 UTC
From: pchapman9202003
Topic: 2596 Message: 2621

How late have the openings been?

-- In TS-520_820_530_830@yahoogroups.com, "Bill" <coorsbill@y...>
wrote:
>
> 10M will be open all weekend Lord willin', be sure to GET ON THERE
> guys and gals!
>
> Sounds like it did last winter. And on a weekend! Yippee!!!
>
> I will be listening on 29.600FM and other parts of the band. Open
to
> east coast right now from Denver.
>
> 73 all!
>
> Bill K0ZL

2622. Re: TS-530 Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 04:41:58 UTC
From: pchapman9202003
Topic: 2599 Message: 2622

Although I have one and have never used it for such, I have heard
that a convection oven makes the finish awesome, but I stand to be
corrected.

--- In TS-520_820_530_830@yahoogroups.com, "n9wb" <n9wb@n...> wrote:
>
> Jim:
>
> The trick will to be to find a colour that matches the original
> paint. Many paint stores that supply paint to auto dealers can mix
> any colour with a computer and put it into a spray can.
>
> Remove any rubber, plastic, leather, or anything that will melt.
> Remove the speaker. Sand the case smooth and remove any rust.
Deep
> gouges can be filled with glazing putty and sanded. Spray with
> primer. Bake. Spray with an even coat. Any runs should be dried
and
> then sanded and repainted. Touch up (like corners and edges) can be
> done with a bit of paint sprayed on the end of a stick or piece of
> broom straw with a blunt end. I have found that Q-tips leave
cotton
> fuzz although the stick with the cotton removed works well.
>
> Baking: Place in oven (your wife will love this) and set to 175 F.
> Bake for 3 to 4 hours. Be sure that it is not hot enough to scorch
> the paint. You can also air dry it but it must be in a warm dry
> place with no dust in the air. Air-drying takes a couple of days
per
> coat.
>
> If you live in a warm climate or if it is summertime, you can let
the
> paint air-dry partially then set it in the sun for several hours.
> This usually works best if temperature is 80d F or higher. Once I
> used an old car with the windows up.
>
> Be careful about dust particles. If this does happen, sand smooth
> and repaint.
>
> If you want a really shiny finish, you can rub with a wet rag with
> automobile polishing compound and water. Be sure the paint is
fully
> dry. The original Kenwood cover is not shiny so you can skip this
> step.

>
> BTW, Be sure to have object at room temperature when applying
paint.
> If object is hot, you will have problems.
>
> Grounding: Where the screws hold the case on, there needs to be
> electrical contact to the chassis. The underneath side should have
> bare metal in this area. If you paint the underneath, put masking
> tape over these spots so there will still be conductivity with the
> chassis underneath.
>
> Vy 73, Walt N9WB
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "ke4iza001"
> <generalemail@c...> wrote:
> >
> >
> > I was lucky enough to purchase a TS-530S from the original
non-
> > smoking owner with new finals. Controls and face are as perfect.
> The
> > case is another story although no real bad. No rust or dents.
> > Simply wear marks where the paint has been rubbed off. I also
have
> > the matching speaker with the case in the same condition. I want
> to
> > remove the upper and lower radio case and the speaker case and
> paint
> > them. Maybe even bake them in the over afterwards. Has anyone
> ever
> > painted their cases? It is not alot of trouble but I do not want
> the
> > results looking like a monkey with a spray can went wild.
> >
> > Thanks and 73
> >
> > Jim - ke4iza

2623. Re: TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 04:47:37 UTC
From: pchapman9202003
Topic: 2567 Message: 2623

807? yep one is good for 75 watts. six are good for a DUI!

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> That's great, Eric!
>
> I just posted a trivia question to QRZ about '807's...
>
> 73,
>
> Bill
>
> --- Eric Webner <ka8fan@y...> wrote:
>
> > My first rig was a Johnson Viking Ranger. . . and so
> > was my second. I've had my TS-520 since 1980 and am
> > now working on repairing a Drake C-line. Must be the
> > love of cold beer and warm tubes!
> >
> > And for you newbies, both of those can be refered to
> > as an "807!"
> >
> > Eric
> >
> > Bill K0ZL <coorsbill@y...> wrote:
> > New ham? Couldn't tell.. ha..
> >
> > I love the vintage rigs too. Running Valiant and
> > NC-300 on AM; should fire it up on ten meters this
> > weekend.
> >
> > b
> >
> > --- stevemp@s... wrote:
> >
> > >
> > > You know I have only had this radio a few days but
> > I
> > > really like it.
> > >
> > > There's something special about these old rigs.
> > >
> > > It's like they have a certain character that the
> > new
> > > stuff doesn't have.

> > >
> > > Don't get me wrong, I appreciate all the amazing
> > > things they have added to
> > > modern rigs. I just like to be in touch with some
> > > of the roots so to speak.
> > >
> > > Can you tell I'm a new ham? ha ha
> > >
> > > I have been around radio since I was 12 and I hit
> > 40
> > > this year. But I just got
> > > my ham license in April. So it's an new from a
> > > personal experience perspective.
> > > And I am enjoying it very much.
> > >
> > > Now when is that G5RV arriving?..... ;-)
> > >
> > > Steve
> > >
> > > >
> > > > And He saw that it was good...
> > > >
> > > > b
> > > >
> > > > --- Steve Phillips <stevemp@s...> wrote:
> > > >
> > > > > My TS-820S meter is once again illumined.
> > > > >
> > > > > Thanks for the help!
> > > > >
> > > > > Steve
> > > > >
> > > >
> > > > =====
> > > >
> > > > "If in doubt, MODIFY" --k0zl
> > > >
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> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
> >
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> > _____
> > Do you Yahoo!?
> > Y! Messenger - Communicate in real time. Download
> > now.
> > http://messenger.yahoo.com
> >
> > Yahoo! Groups SponsorADVERTISEMENT
> >
> >
> > ---
> > Yahoo! Groups Links
> >
> > To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > Your use of Yahoo! Groups is subject to the
> > Yahoo! Terms of Service.
> >

> >
> >
> > ---------------------------------
> > Do you Yahoo!?
> > Y! Messenger - Communicate in real time. Download
> > now.
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
>
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>
> _____________________________________
> Do you Yahoo!?
> Read only the mail you want - Yahoo! Mail SpamGuard.
> http://promotions.yahoo.com/new_mail

2624. Re: TS-830S Power Output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 04:53:55 UTC
From: pchapman9202003
Topic: 2616 Message: 2624

I am not a good SME, There is typicaly a 10m falloff but do not know how much with that rig. 90 watts on 10 m can be better than a full gqllon elsewhere.

--- In TS-520_820_530_830@yahoogroups.com, "ke4iza001" <generalemail@c...> wrote:
>
>
> I just got a TS-830S and was wondering if the power output normal.
> On 10m all I can get is 90w. On 40 meters I get almost 150w. Is
> this normal?
>
> Thanks

2625. Re: [TS-520_820_530_830] TS-830S Power Output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 09:11:03 UTC
From: Tom
Topic: 2616 Message: 2625

ke4iza001 wrote:

>
>
> I just got a TS-830S and was wondering if the power output normal.
> On 10m all I can get is 90w. On 40 meters I get almost 150w. Is
> this normal?
>
> Thanks
I am not sure there is a "normal" output. I have four KW tube rigs and
they are all different in output, but yes they all drop off on 10 meters.

2626. Re: TS-830S Power Output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 10:48:04 UTC
From: n9wb
Topic: 2616 Message: 2626

Jim:
I have worked with 5 different 820s. I have not had any experience with 830 s but I think the PA is similar.

Typically the 820s run around 110 to 120 watts on 40 meters and around 90 on ten meters below 28.5. Above that they are a bit lower. Does yours have S-2001 finals or 6146 Finals? If it has 6146 finals the finals have probably been changed. If this is the case and you know how to do it, you may want to check the neutralization. This can be a bit tricky. I assume you are getting proper ALC when on SSB.

Vy 73, N9WB

--- In TS-520_820_530_830@yahoogroups.com, "ke4iza001" <generalemail@c...> wrote:
>
>
> I just got a TS-830S and was wondering if the power output normal.
> On 10m all I can get is 90w. On 40 meters I get almost 150w. Is
> this normal?
>
> Thanks

2627. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:11:52 UTC
From: Bill K0ZL
Topic: 2567 Message: 2627

Sounds good! hi

b

--- Dave & Loraine <dave.crooks@...> wrote:

> Lion Lager? I spent 30yrs in South Africa drinking
> the stuff.
> Try it hetrodyned with a barbeque...
>

=====

"If in doubt, MODIFY" --k0zl

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http://promotions.yahoo.com/new_mail

2628. Re: [TS-520_820_530_830] TS-830S Power Output

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:39:53 UTC
From: Bill K0ZL
Topic: 2616 Message: 2628

150 watts is very good!

Roll off on 10-12-15 meters is normal.

b

--- ke4iza001 <generalemail@...> wrote:

>
>
> I just got a TS-830S and was wondering if the
> power output normal.
> On 10m all I can get is 90w. On 40 meters I get
> almost 150w. Is
> this normal?
>
> Thanks
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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Take Yahoo! Mail with you! Get it on your mobile phone.
http://mobile.yahoo.com/maildemo

2629. Re: [TS-520_820_530_830] TS-830 WARC

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:42:19 UTC
From: Bill K0ZL
Topic: 2617 Message: 2629

Login to the group; go to FILES then MODS.

d'load the file WARC BAND ENABLE FOR THE 530... same
for 830.

You will remove the bottom cover of the rig and cut
one wire at the AF unit, which is on bottom of rig,
right side. Face the ant connector up with rig on side
to access per the picture.

You will need heatshrink, or tape.

bill

--- ke4iza001 <generalemail@...> wrote:

>
>
> I have aquired a TS-830S with the WARC bands
> still locked out.
> The manual states there are diodes in place to
> prevent transmission
> before FCC approval but gives no reference to where
> or what diodes.
> How do i release the WARC bands for transmit?
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

_____
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Yahoo! Mail Address AutoComplete - You start. We finish.
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2630. Re: [TS-520_820_530_830] Hello

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:46:05 UTC
From: Bill K0ZL
Topic: 172 Message: 2630

Sure!

Hey check your word wrap on your email program...
should be at 72 words or less. when your response came
to me, the first sentence spilled off the page and I
had to go chase it. FYI.

73,

Bill

--- Mack <mack_hutch@...> wrote:

> Bill thanks but have solved my problem. I found that
> I had no RB2 on the IF board. RB2 provides the bias
> to g2 on Q3 and Q4. Resoldered pins on connector and
> that took care problem. I had a bit of a time with
> the connectors when I first removed the board, they
> were kind of tight and I believe I loosened up a bad
> solder joint.
> Thanks for assist offer.....73,
>
> Mack
>
> ----- Original Message -----
> From: Bill K0ZL<mailto:coorsbill@...>
> To:
>
TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
>
> Sent: Wednesday, October 27, 2004 4:33 PM
> Subject: Re: [TS-520_820_530_830] Hello
>
>
> See what you can see with RF probe on DVM... I
> will
> have some time to chase schematics now that I am
> off
> work for a bit.
>
> 73,
>
> Bill
>
> --- Mack
>

<mack_hutch@...<mailto:mack_hutch@...>>
> wrote:
>
> > Bill said
> > "Sounds like you lost one of the local
> oscillators
> > on
> > the IF unit."
> >
> >
> > Thanks Bill, I will check that out.
> > MH
> >
> >
> > ----- Original Message -----
> > From: Bill K0ZL<mailto:coorsbill@...>
> > To:
> >
>
>
TS-520_820_530_830@yahoogroups.com<mailto:TS-520_820_530_830@yahoogroups.com>
> >
> > Sent: Tuesday, October 26, 2004 2:21 PM
> > Subject: Re: [TS-520_820_530_830] Hello
> >
> >
> > Sounds like you lost one of the local
> oscillators
> > on
> > the IF unit. we used to call it the "bfo"...
> >
> > b
> >
> > --- kc9_max
> >
>
>
<mack_hutch@...<mailto:mack_hutch@...>>
> > wrote:
> >
> > >
> > >
> > > Hi, names Mack, but since buddies at work
> have
> > > dubbed me with
> > > Mack "Attack" that is what I go by.
> > > I am 50 years young and just recently
> received
> > my
> > > general class

> > > ticket. Some might refer to me as a newbie
> > > and would be more or less correct as far as
> > being a
> > > licensed ham. I
> > > spent four years in the Navy as a Radioman,
> > > 1972-1976. In 1978 or
> > > there abouts I met someone who got me
> interested
> > in
> > > amatuer radio. I
> > > bought a Kenwood 520 from him, that had been
> > > modified for 11 meter.
> > > The plan was to get my amatuer license, but
> in
> > the
> > > mean time I could
> > > operate SSB on CB bands. Well I took a
> course
> > from
> > > Heathkit for
> > > novice and tech and got my code up to about
> 13
> > wpm.
> > > But things
> > > happen, ie. daughter was born, we needed
> more
> > room,
> > > bought another
> > > fixer upper, changed jobs several times and
> etc.
> > > etc. Long story
> > > short never got my license untill things
> settled
> > > down some. That was
> > > 25 year later! Some guys I work with got
> their
> > > licenses and
> > > listening to them rekindled my interest. I
> look
> > > forward to exploring
> > > the many new aspects of this hobby and being
> > part of
> > > amateur radio
> > > and this group.
> > > To get me started I have bought another
> > Kenwood, a
> > > 530 this time
> > > and find it comfortably familar in
> appearance
> > and

> > > operation to the
> > > 520, only with a few more bells and
> whistles. It
> > > worked fine when I
> > > bought it but since has devolped a problem.
> A
> > brief
> > > description of
> > > problem: I hear no stations on any of the
> bands.
> > The
> > > S meter shows a
> > > 9 DB signal and does not vary much when I
> turn
> > RF
> > > gain up or down. I
> > > have noticed what looks like some signal
> > activity
> > > that will show up
> > > as fluctuation between 9 and 15 on s meter,
> but
> > > still no audio.
> > > These problems developed after I took IF out
> to
> > fix
> > > a loose
> > > connection that was affecting the RIT. I
> have
> > > ordered service manual
> > > from manuaman.com. If anyone has had similar
> > > experience or have some
> > > tips or advice please let me know. TIA and
> 73s.
> > >
> > >
> > >
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> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> > www.amateur-repairs.com
> >

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> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail - Helps protect you from nasty
> > viruses.
> >
> >
>
>
http://promotions.yahoo.com/new_mail<http://promotions.yahoo.com/new_mail><http://promotio
ns.yahoo.com/new_mail<http://promotions.yahoo.com/new_mail>>
> >
> > Yahoo! Groups Sponsor
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> >
>
>
<http://us.ard.yahoo.com/SIG=12924tfb2/M=315388.5529720.6602079.3001176/D=groups/S=1705063
108:HM/EXP=1098904941/A=2372354/R=0/SIG=12id813k2/*https://www.orchardbank.com/hcs/hcsappl
ication?pf=PLApply&media=EMYHNL40F21004SS<http://us.ard.yahoo.com/SIG=12924tfb2/M=315388.5
529720.6602079.3001176/D=groups/S=1705063108:HM/EXP=1098904941/A=2372354/R=0/SIG=12id813k2
/*https://www.orchardbank.com/hcs/hcsapplication?pf=PLApply&media=EMYHNL40F21004SS>>
> >
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>
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"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

2631. RE: [TS-520_820_530_830] Re: TS-530 Paint--orange peel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:47:07 UTC
From: Bill K0ZL
Topic: 2620 Message: 2631

No it's more of a "spattering", not sure what the
paint afficianados call that. In house painting they
call it "knockdown" texture.

bill

--- "donii@..." <donii@...> wrote:

> Brian wrote:
> << outdoors when the humidity is too high, you'll
> end up
> with an "orange peel" texture on the surface when
> the paint dries >>
> Isn't an orange peel finish desiredon on the
> Kenwoods' case??
> Peter
> VE2FAR
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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http://messenger.yahoo.com

2632. Re: [TS-520_820_530_830] Re: 10M OPEN!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:48:54 UTC
From: Bill K0ZL
Topic: 2596 Message: 2632

Friday it lasted til 9pm, last night died about 7
local time

b

--- pchapman9202003 <p_chap@...> wrote:

>
> How late have the openings been?
>
> -- In TS-520_820_530_830@yahoogroups.com, "Bill"
> <coorsbill@y...>
> wrote:
> >
> > 10M will be open all weekend Lord willin', be sure
> to GET ON THERE
> > guys and gals!
> >
> > Sounds like it did last winter. And on a weekend!
> Yippee!!!
> >
> > I will be listening on 29.600FM and other parts of
> the band. Open
> to
> > east coast right now from Denver.
> >
> > 73 all!
> >
> > Bill K0ZL
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

2633. Re: [TS-520_820_530_830] Re: TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 13:49:57 UTC
From: Bill K0ZL
Topic: 2567 Message: 2633

Yep! Moderation in all things...

--- pchapman9202003 <p_chap@...> wrote:

>
>
> 807? yep one is good for 75 watts. six are good for
> a DUI!
>
...

=====

"If in doubt, MODIFY" --k0zl

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_____
Do you Yahoo!?
Yahoo! Mail Address AutoComplete - You start. We finish.
http://promotions.yahoo.com/new_mail

2634. Re: [TS-520_820_530_830] TS-820S Meter Lamp

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 14:02:52 UTC
From: Bill K0ZL
Topic: 2567 Message: 2634

Coors puts out 16,22, 32 and 40 oz bottles. and that
is from only one bottle line! Changeovers are a riot.

bill

--- akshay daniel <danielakshay@...> wrote:

>
>
> Hehehehehehe I travel a lot (with the job) and have
> seen 750ml bottles of beer esp in Asia! Bintang,
> Carlesburg, Lion Lager....the list is endless!!!!
>
> --- Eric Webner <ka8fan@...> wrote:
>
> > 813 = keg o' beer?
> >
> > Bill K0ZL <coorsbill@...> wrote:I hope you
> let
> > the rats escape first! hi...
> >
> > The 813? well that would have to be a large can of
> > Foster's I should think.
> >
> > b
> >
> >
> > --- akshay daniel <danielakshay@...> wrote:
> >
> > >
> > > > And for you newbies, both of those can be
> > refered
> > > > to
> > > > as an "807!"
> > >
> > > Some call them 813s (I guess the more potent
> > ones!).
> > > > We still refer to them as 807s when calling
> > someone
> > > > over for a drink. However, I cam across a rather
> > > > interesting one on a recent trip back to Asia
> and
> > > > after many 40m QSOs with VU2s -- many often said
> > "I
> > > > must say 73 now and run for my modulation" One
> > even

> > > said "plate modulation" Had me confused for a
> > while
> > > until I realised that they meant "dinner" or
> > simply
> > > that they had to go have a "meal" !!!
> > >
> > > BTW, I restored a T4XB a few years ago. It was
> > left
> > > idle in an outhouse for years and a famly of
> rats
> > > had
> > > made a home inside! My first job was to hold the
> > > garden hose inside and outside the rig! Try
> doing
> > > that
> > > with an 850!!!
> > >
> > > 73!
> > > Ron, 6Y5/4S7RO
> > >
> > >
> > >
> > > _____
> > > Do you Yahoo!?
> > > Yahoo! Mail Address AutoComplete - You start. We
> > > finish.
> > > http://promotions.yahoo.com/new_mail
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
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> > _____
> > Do you Yahoo!?
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> >
> > ---------------------------------
> > Yahoo! Groups Links
> >
> > To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > To unsubscribe from this group, send an email
> to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > Your use of Yahoo! Groups is subject to the
> > Yahoo! Terms of Service.
> >
> >
> >
> >
> > ---------------------------------
> > Do you Yahoo!?
> > Read only the mail you want - Yahoo! Mail
> SpamGuard.
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
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> ~-----------------------------------
> Do you Yahoo!?
> Yahoo! Mail Address AutoComplete - You start. We
> finish.
> http://promotions.yahoo.com/new_mail
>

=====

"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

~-----------------------------------
Do you Yahoo!?
Read only the mail you want - Yahoo! Mail SpamGuard.
http://promotions.yahoo.com/new_mail

2635. Re: [TS-520_820_530_830] Re: TS-530 Paint--orange peel

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 14:04:12 UTC
From: Norm Fusaro
Topic: 2620 Message: 2635

No. The finish is slightly textured to prevent fingerprints.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: <donii@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, October 30, 2004 10:42 PM
Subject: RE: [TS-520_820_530_830] Re: TS-530 Paint--orange peel

>
> Brian wrote:
> << outdoors when the humidity is too high, you'll end up
> with an "orange peel" texture on the surface when the paint dries >>
> Isn't an orange peel finish desiredon on the Kenwoods' case??
> Peter
> VE2FAR
>
>
>
>
> Yahoo! Groups Links
>
>
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>
>
>
>

2636. Re: [TS-520_820_530_830] Re: 10M OPEN!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-10-31 16:53:09 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2596 Message: 2636

10 is cooking right now. From Chicago with a ground mount vert and 100-ish watts I worked Italy and Spain on USB (lot of activity from the contest) and Namibia on CW. I also heard a number of other European stations. Currently 11AM.

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Re: 10M OPEN!
>Date: Sun, 31 Oct 2004 05:48:54 -0800 (PST)
>
>Friday it lasted til 9pm, last night died about 7
>local time
>
>b
>
>--- pchapman9202003 <p_chap@...> wrote:
>
> >
> > How late have the openings been?
> >
> > -- In TS-520_820_530_830@yahoogroups.com, "Bill"
> > <coorsbill@y...>
> > wrote:
> > >
> > > 10M will be open all weekend Lord willin', be sure
> > to GET ON THERE
> > > guys and gals!
> > >
> > > Sounds like it did last winter. And on a weekend!
> > Yippee!!!
> > >
> > > I will be listening on 29.600FM and other parts of
> > the band. Open
> > to
> > > east coast right now from Denver.
> > >
> > > 73 all!
> > >
> > > Bill K0ZL
> >
> >
> >
> >
>

>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
>
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>
>
>
>_________________________________
>Do you Yahoo!?
>Yahoo! Mail - You care about security. So do we.
>http://promotions.yahoo.com/new_mail

On the road to retirement? Check out MSN Life Events for advice on how to
get there! http://lifeevents.msn.com/category.aspx?cid=Retirement

2637. Re: [TS-520_820_530_830] Digest Number 535

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 12:25:07 UTC
From: Aaron B.
Topic: 2637 Message: 2637

Hi Bill,
It is hard to believe but my TS 830 healed itself. The problem that I had of low output on SSB went away. The radio now works as good as before with about 100 watts output. I run about 50 watts on RTTY now though having learned my lesson. This is a 1987 radio and the tubes were never changed either the driver or finals.
Thanks again,
Aaron - WC2C

Do you Yahoo!?
Express yourself with Y! Messenger! Free. Download now.

[Non-text portions of this message have been removed]

2638. TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 14:47:46 UTC
From: ke4iza001
Topic: 2638 Message: 2638

Has anyone seen trouble with the band switch? I saw an article, granted from a repair shop, that the 520, 530, 820 and 820 were prone to band switch failure due to the OEM switches being defective. I myself have only read of this happening to one ham. I am kind or worried now. The TS-830S I bought is in mint condition although is has been in the original box stored in a spare bedroom closet for 8 years. The rig was tested and did 90w on 10m and 145w on 80m. Maybe I am just worrying for nothing. I am just wondering how common this problem was. I might believe Kenwood had a batch with bad switches but find it hard to believe all radios were this way.

Jim - ke4iza

2639. RE: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 15:21:38 UTC
From: Bob Mackie
Topic: 2638 Message: 2639

Hi Jim. How ya doin? Listen, don't worry about it unless you have a problem crop up. It sounds like you should have a fine rig there if it's been stored properly. It is possible that the control pots, switches, etc could use a little cleaning, but I wouldn't touch it unless you have a reason to. I've been a radio/communications tech for 32 plus years, and I've seen lots of fine equipment damaged and even destroyed (even by experienced techs) because all they wanted to do was "service" their fine-working equipment. Just using spray cleaner can cause major damage if you use the wrong type or use it improperly. My suggestion is If you don't have any scratchy, noisy, or intermittant control pots or switches then leave it alone and enjoy operating it. Remember, Don't Fix It If It Ain't Broke!!! Good luck and 73 W7ASH - Bob Mackie--- On Mon 11/01, ke4iza001 < generalemail@... > wrote:From: ke4iza001 [mailto: generalemail@...]To: TS-520_820_530_830@yahoogroups.comDate: Mon, 01 Nov 2004 14:47:46 -0000Subject: [TS-520_820_530_830] TS 830s Band Switch FailureHas anyone seen trouble with the band switch? I saw an article, granted from a repair shop, that the 520, 530, 820 and 820 were prone to band switch failure due to the OEM switches being defective. I myself have only read of this happening to one ham. I am kind or worried now. The TS-830S I bought is in mint condition although is has been in the original box stored in a spare bedroom closet for 8 years. The rig was tested and did 90w on 10m and 145w on 80m. Maybe I am just worrying for nothing. I am just wondering how common this problem was. I might believe Kenwood had a batch with bad switches but find it hard to believe all radios were this way.Jim - ke4iza---------- Yahoo! Groups Sponsor ----------~--> $9.95 domain names from Yahoo!. Register anything.http://us.click.yahoo.com/J8kdrA/y20IAA/yQLSAA/ELTolB/TM----------~-> Yahoo! Groups Links<*> To visit your group on the web, go to:http://groups.yahoo.com/group/TS-520_820_530_830/<*> To unsubscribe from this group, send an email to:TS-520_820_530_830-unsubscribe@yahoogroups.com<*> Your use of Yahoo! Groups is subject to:http://docs.yahoo.com/info/terms/

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[Non-text portions of this message have been removed]

2640. Re: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 15:29:03 UTC
From: Paul Manuel
Topic: 2638 Message: 2640

--- ke4iza001 <generalemail@...> wrote:
> Has anyone seen trouble with the band switch? I saw an article,
> granted from a repair shop, that the 520, 530, 820 and 820 were prone
> to band switch failure due to the OEM switches being defective.

Jim,
I haven't seen anything about a bunch of switches being defective. The most common bandswitch problem, other than dirty contacts, is that the nylon shaft coupler in the final area cracks, but they are still available from Kenwood and the fix is not too hard. You could examine it and see if it looks cracked and ready to fall apart.
Of course, all mechanical bandswitches will eventually wear out! When I had my 830, I did not change bands nearly as often as with my more modern rigs, with the intent of keeping it working as long as possible. The bandswitch in the 830 seems to be pretty rugged, though.
73,
Paul K4PDM

_____
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2641. Re: [TS-520_820_530_830] Digest Number 535

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 16:23:33 UTC
From: Bill K0ZL
Topic: 2637 Message: 2641

Well PTL for that! hi..

Suspect dirty relay contacts or bad solder joint
somewhere. If it comes back, you will know which one
it is.

Vy 73 and enjoy! Sounds like ten meters is open again
today (Monday) but everyone is at work. Except us.

b

--- "Aaron B." <abroges@...> wrote:

> Hi Bill,
> It is hard to believe but my TS 830 healed
> itself. The problem that I had of low output on SSB
> went away. The radio now works as good as before
> with about 100 watts output. I run about 50 watts on
> RTTY now though having learned my lesson. This is a
> 1987 radio and the tubes were never changed either
> the driver or finals.
> Thanks again,
> Aaron - WC2C
>
>
> ---------------------------------
> Do you Yahoo!?
> Express yourself with Y! Messenger! Free. Download
> now.
>
> [Non-text portions of this message have been
> removed]
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>

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"If in doubt, MODIFY" --k0zl

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2642. Re: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 16:28:22 UTC
From: Bill K0ZL
Topic: 2638 Message: 2642

Have not seen switch failures, but rather the plastic
flex coupling that resides just inside the PA cage.

Inspect it for cracks around the setscrew holes. If
you see any, replace the coupling. You will need a
1.5mm allen wrench. It's not hard to do but you have
to maintain band alignment as you rotate around to get
to all the screws.

Leave one set tight as you loosen the other. Then
rotate the band switch to get to the 2nd set. Note
which band you are on!

Loosen the 2nd set, then pull the bandswitch shaft
part way out the front of the rig. Use whatever tools
you need to wiggle the old coupling out of the hole in
the pa cage, and the new one in, noting which way your
setscrews should be oriented so you can follow the
same process going back together.

DON'T OVERTIGHTEN THE SETSCREWS! Snug them up and
then no more than a 1/4 turn again. It's plastic; it
will break if you treat it like a metal coupling.

b
--- ke4iza001 <generalemail@...> wrote:

>
> Has anyone seen trouble with the band switch? I
> saw an article,
> granted from a repair shop, that the 520, 530, 820
> and 820 were prone
> to band switch failure due to the OEM switches being
> defective. I
> myself have only read of this happening to one ham.
> I am kind or
> worried now. The TS-830S I bought is in mint
> condition although is
> has been in the original box stored in a spare
> bedroom closet for 8
> years. The rig was tested and did 90w on 10m and
> 145w on 80m. Maybe
> I am just worrying for nothing. I am just wondering
> how common this
> problem was. I might believe Kenwood had a batch
> with bad switches

> but find it hard to believe all radios were this
> way.
>
> Jim - ke4iza
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2643. Re: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 18:03:38 UTC
From: akshay daniel
Topic: 2638 Message: 2643

I had this problem and I replaced the coupling in the
PA area with the coupling on the shaft outside the PA
cage.

Bill, where can one buy the exact replacement? I had
to use a sawn off part of a marker pen! It works but
not nice to look at.

73,
Ron

--- Bill K0ZL <coorsbill@...> wrote:

> Have not seen switch failures, but rather the
> plastic
> flex coupling that resides just inside the PA cage.
>
> Inspect it for cracks around the setscrew holes. If
> you see any, replace the coupling. You will need a
> 1.5mm allen wrench. It's not hard to do but you have
> to maintain band alignment as you rotate around to
> get
> to all the screws.
>
> Leave one set tight as you loosen the other. Then
> rotate the band switch to get to the 2nd set. Note
> which band you are on!
>
> Loosen the 2nd set, then pull the bandswitch shaft
> part way out the front of the rig. Use whatever
> tools
> you need to wiggle the old coupling out of the hole
> in
> the pa cage, and the new one in, noting which way
> your
> setscrews should be oriented so you can follow the
> same process going back together.
>
> DON'T OVERTIGHTEN THE SETSCREWS! Snug them up and
> then no more than a 1/4 turn again. It's plastic; it
> will break if you treat it like a metal coupling.
>
>
> b
> --- ke4iza001 <generalemail@...> wrote:
>

> >
> > Has anyone seen trouble with the band switch? I
> > saw an article,
> > granted from a repair shop, that the 520, 530, 820
> > and 820 were prone
> > to band switch failure due to the OEM switches
> being
> > defective. I
> > myself have only read of this happening to one
> ham.
> > I am kind or
> > worried now. The TS-830S I bought is in mint
> > condition although is
> > has been in the original box stored in a spare
> > bedroom closet for 8
> > years. The rig was tested and did 90w on 10m and
> > 145w on 80m. Maybe
> > I am just worrying for nothing. I am just
> wondering
> > how common this
> > problem was. I might believe Kenwood had a batch
> > with bad switches
> > but find it hard to believe all radios were this
> > way.
> >
> > Jim - ke4iza
> >
> >
> >
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2644. Re: [TS-520_820_530_830] Digest Number 535

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 18:12:00 UTC
From: keith hanks
Topic: 2637 Message: 2644

Hello again all,

I itroduced myself way back at message 1603 and have read everything since. I still do not have many minutes at a time to play with the radio but my sons and I just managed to get 12 radial wires into the ground for my vertical antenna, 4 each on three of the four directions, the house is in the way on the fourth. The yard is small enough that we had to bend them a bit to work but hopefully now I have them in for 10-40M. 80M was just too long of a wire to even think about doing.

Today I am taking the day off and will be working on my antenna again. In order to tune it I need to clamp a tap onto the base loading coil. Since this is a nuisance I have rigged a box with switches and am going to be soldering permanent switched connections, so hopefully, all I will have to do is to flip the right switch and then use my tuner to fine tune.

To update on my setup -

I started with a 520 SE (that came with a Kenwood MC-50 microphone) that I could not convince myself was working. Even though I could hear I was not able to get anyone to respond to me. I bought a second radio, a 520S that I wanted to use for field day, but it turned out that the SE worked great with a long wire dipole in our church parking lot. I was able to contact from Sacramento to the North to San Diego to the South and Arizona to the East, on 40 M. Right now both radios are sitting side by side, but the RF ground is hooked to the 520S. I was able to make one contact on 20M the other day so I at least know that something is getting out. I bought one of the (BOYB??? antenna analysers) and use that to tune the antenna. I just picked up an old B&W protax coax switch that I hope to use to connect both radios to the tuner/antenna without having to dig around on the back of the boxes to unhook the antenna wire. I just came up with a roll of braided wire that I am going to redo all of my grounding with.

I wanted to get a second microphone so that I won't be switching back and forth and decided from all of the discussions about Astatic D-104 and Hiel elements to try that route. The mike was a cheap as is and is turning into a project. Right now it's component pieces are all over my table and I am trying to figure out if the board is any good. The microphone element that came in it is trash, so it is just as well that I bought the Hiel element. (What do people use for filling up the extra space inside the microphone head?)

This was a very long winded way of saying that if I can get my box connected to my loading coil before about 2 pm PST I may try to make some 10 M contacts if the band stays open.

Keith,

KG6TPU

(I was trying to listen for Sean the other day when he was trying to get his station on the air but we missed on the timing, It sounds like he has been succesful though.)

-----Original Message-----
From: Bill K0ZL <coorsbill@...>
Sent: Nov 1, 2004 8:23 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Digest Number 535

Well PTL for that! hi..

Suspect dirty relay contacts or bad solder joint
somewhere. If it comes back, you will know which one
it is.

Vy 73 and enjoy! Sounds like ten meters is open again
today (Monday) but everyone is at work. Except us.

b

--- "Aaron B." <abroges@...> wrote:

> Hi Bill,
> It is hard to believe but my TS 830 healed
> itself. The problem that I had of low output on SSB
> went away. The radio now works as good as before
> with about 100 watts output. I run about 50 watts on
> RTTY now though having learned my lesson. This is a
> 1987 radio and the tubes were never changed either
> the driver or finals.
> Thanks again,
> Aaron - WC2C
>
>
> ---------------------------------
> Do you Yahoo!?
> Express yourself with Y! Messenger! Free. Download
> now.
>
> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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Yahoo! Groups Links

2645. Re: [TS-520_820_530_830] Digest Number 535

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 19:06:33 UTC
From: Bill K0ZL
Topic: 2637 Message: 2645

HI Keith,

well the band is open, but hardly any users.. all at
work in this hemisphere I guess!

Congrats on the ant work.
b

--- keith hanks <kwhanks@...> wrote:

> Hello again all,
>
> I itroduced myself way back at message 1603 and
> have read everything since. I still do not have
> many minutes at a time to play with the radio but my
> sons and I just managed to get 12 radial wires into
> the ground for my vertical antenna, 4 each on three
> of the four directions, the house is in the way on
> the fourth. The yard is small enough that we had to
> bend them a bit to work but hopefully now I have
> them in for 10-40M. 80M was just too long of a wire
> to even think about doing.
>
> Today I am taking the day off and will be working on
> my antenna again. In order to tune it I need to
> clamp a tap onto the base loading coil. Since this
> is a nuisance I have rigged a box with switches and
> am going to be soldering permanent switched
> connections, so hopefully, all I will have to do is
> to flip the right switch and then use my tuner to
> fine tune.
>
> To update on my setup -
>
> I started with a 520 SE (that came with a Kenwood
> MC-50 microphone) that I could not convince myself
> was working. Even though I could hear I was not able
> to get anyone to respond to me. I bought a second
> radio, a 520S that I wanted to use for field day,
> but it turned out that the SE worked great with a
> long wire dipole in our church parking lot. I was
> able to contact from Sacramento to the North to San
> Diego to the South and Arizona to the East, on 40 M.
> Right now both radios are sitting side by side, but
> the RF ground is hooked to the 520S. I was able to
> make one contact on 20M the other day so I at least

> know that something is getting out. I bought one of
> the (BOYB??? antenna analysers) and use that to tune
> the antenna. I just picked up an old B&W protax
> coax switch that I hope to use to connect both
> radios to the tuner/antenna without having to dig
> around on the back of the boxes to unhook the
> antenna wire. I just came up with a roll of
> braided wire that I am going to redo all of my
> grounding with.
>
> I wanted to get a second microphone so that I won't
> be switching back and forth and decided from all of
> the discussions about Astatic D-104 and Hiel
> elements to try that route. The mike was a cheap as
> is and is turning into a project. Right now it's
> component pieces are all over my table and I am
> trying to figure out if the board is any good. The
> microphone element that came in it is trash, so it
> is just as well that I bought the Hiel element.
> (What do people use for filling up the extra space
> inside the microphone head?)
>
> This was a very long winded way of saying that if I
> can get my box connected to my loading coil before
> about 2 pm PST I may try to make some 10 M contacts
> if the band stays open.
>
> Keith,
>
> KG6TPU
>
> (I was trying to listen for Sean the other day when
> he was trying to get his station on the air but we
> missed on the timing, It sounds like he has been
> succesful though.)
>
> -----Original Message-----
> From: Bill K0ZL <coorsbill@...>
> Sent: Nov 1, 2004 8:23 AM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] Digest Number 535
>
>
> Well PTL for that! hi..
>
> Suspect dirty relay contacts or bad solder joint
> somewhere. If it comes back, you will know which one
> it is.
>
> Vy 73 and enjoy! Sounds like ten meters is open

> again
> today (Monday) but everyone is at work. Except us.
>
> b
>
>
> --- "Aaron B." <abroges@...> wrote:
>
> > Hi Bill,
> > It is hard to believe but my TS 830 healed
> > itself. The problem that I had of low output on
> SSB
> > went away. The radio now works as good as before
> > with about 100 watts output. I run about 50 watts
> on
> > RTTY now though having learned my lesson. This is
> a
> > 1987 radio and the tubes were never changed either
> > the driver or finals.
> > Thanks again,
> > Aaron - WC2C
> >
> >
> > ---------------------------------
> > Do you Yahoo!?
> > Express yourself with Y! Messenger! Free. Download
> > now.
> >
> > [Non-text portions of this message have been
> > removed]
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> =====
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> "If in doubt, MODIFY" --k0zl
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> Need a tech? See our website www.amateur-repairs.com
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"If in doubt, MODIFY" --k0zl

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2646. Re: [TS-520_820_530_830] Re: 10M OPEN!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 21:51:47 UTC
From: keith hanks
Topic: 2596 Message: 2646

I am not going to make it on the air today. I have to leave now for an appointment and only have two stubs soldered onto my coil. Catch you later.

Keith

-----Original Message-----
From: "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@...>
Sent: Oct 31, 2004 8:53 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Re: 10M OPEN!

10 is cooking right now. From Chicago with a ground mount vert and 100-ish watts I worked Italy and Spain on USB (lot of activity from the contest) and Namibia on CW. I also heard a number of other European stations. Currently 11AM.

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Re: 10M OPEN!
>Date: Sun, 31 Oct 2004 05:48:54 -0800 (PST)
>
>Friday it lasted til 9pm, last night died about 7
>local time
>
>b
>
>--- pchapman9202003 <p_chap@...> wrote:
>
> >
> > How late have the openings been?
> >
> > -- In TS-520_820_530_830@yahoogroups.com, "Bill"
> > <coorsbill@y...>
> > wrote:
> > >
> > > 10M will be open all weekend Lord willin', be sure
> > to GET ON THERE
> > > guys and gals!
> > >
> > > Sounds like it did last winter. And on a weekend!
> > Yippee!!!
> > >
> > > I will be listening on 29.600FM and other parts of
> > the band. Open

> > to
> > > east coast right now from Denver.
> > >
> > > 73 all!
> > >
> > > Bill K0ZL
> >
> >
> >
> >
>
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
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Yahoo! Groups Links

2647. RE: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-01 22:34:05 UTC
From: Walter Milton
Topic: 2638 Message: 2647

Jim,

I purchased my TS-830 used, I was the third owner, and four to five years later . I had to have the band switch replaced. I lost output on the lower portion of 10M.

Walt, KA2NJF
-----Original Message-----
From: ke4iza001 [mailto:generalemail@...]
Sent: Monday, November 01, 2004 9:48 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] TS 830s Band Switch Failure

Has anyone seen trouble with the band switch? I saw an article, granted from a repair shop, that the 520, 530, 820 and 820 were prone to band switch failure due to the OEM switches being defective. I myself have only read of this happening to one ham. I am kind or worried now. The TS-830S I bought is in mint condition although is has been in the original box stored in a spare bedroom closet for 8 years. The rig was tested and did 90w on 10m and 145w on 80m. Maybe I am just worrying for nothing. I am just wondering how common this problem was. I might believe Kenwood had a batch with bad switches but find it hard to believe all radios were this way.

Jim - ke4iza

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b.. To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

2648. Re: [TS-520_820_530_830] TS 830s Band Switch Failure

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-02 03:53:08 UTC
From: csahlgren@aol.com
Topic: 2638 Message: 2648

I have owned a TS-820S since 1979. I ran it as my primary HF rig until 2001. The problem I had with the band switch was that the nylon band switch shaft coupling that connected the band switch shaft in the main part of the rig and the shaft in the final compartment split. I managed to repair it by installing a cable tie around the OD, but it really should be replaced. This is like a 5 dollar part, but you have to take off the front panel and some various other things to do the job, which is a major effort.

It turned out to be the perfect excuse to upgrade to an Icom IC-756PROII. Anyhow, I am going to get the rig fixed someday, just need the time and motivation to do it.

73's de Charles, WB6IYM

[Non-text portions of this message have been removed]

2649. Re: [TS-520_820_530_830] Re: TS530/D

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-02 16:51:24 UTC
From: Richard Harris
Topic: 2575 Message: 2649

Robert,

I have to admit that I don't know what the power output of my TS-530SP is as I don't have a wattmeter. I would sum it up as "adequate"! I can get 250mA of plate current so that's about 200W input and hopefully about 100W out. The weakness of my station is the antenna - choice of a 20m dipole up at 12 feet or 60 ft long(??) wire up at 6 ft! Still I have managed QSOs in all continents in the past few weeks.

The instruction manual that was supplied with my rig has a note on the front page to the effect that it covers both the TS-530SP and the TS-530D.

Keep us posted on how you get on with the TS-530 when it arrives, and in particular whether it is an /SP or a /D

73s

Richard G3OTK

At 19:16 28/10/2004 +0000, you wrote:

>Richard,
>
>I don't have the rig yet. It should be here via UPS on tuesday. The
>internet pic I saw of it had a manual with the /D at the end. It may
>not be a D. The previous owner may have just acquired that type
>manual. I'll check it all out next week.
>I agree with you that these are quality radio's. Knobs, case...sturdy
>and "manly"(hi)! Does your SP put out full power or has there been
>some degradation?
>
>Robert
>
>
> > Robert,
> >
> > Do you actually have a /D version? If so, it may be wise to check
>the AC
> > line settings because the /D is 110/220v rather than 120/240V.
> >
> > I agree about the rating of the single tube version (the figures
>from the
> > manual are input not output), but 130W input on CW for a
>S2001A/6146B seems
> > a bit severe to me. I suppose that would give about 85W output. A
>quick

> > tune-up would seem to be in order!
> >
> > S2001As are difficult, maybe impossible, to get hold of but I
>believe that
> > 6146Bs are OK. I have a TS510 with one of each fitted.
> >
> > I bought my TS530SP on UK Ebay recently and am delighted with it.
>I've
> > since fitted a CW filter. Only problem with it now is intermittent
> > band-change switch, but I hope to get some switch cleaner on it
>this
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><http://us.ard.yahoo.com/SIG=129nsm6nm/M=281955.5530326.6602771.3001176/D=groups/S=170506
3108:HM/EXP=1099077402/A=2343726/R=0/SIG=12ihbrs7m/*http://clk.atdmt.com/VON/go/yhxxxvon01
900091von/direct/01/&time=1098991002292134>554945.jpg
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[Non-text portions of this message have been removed]

2650. Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 07:39:08 UTC
From: Robert
Topic: 2575 Message: 2650

Hi Richard,

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There was NOT even slight damage to the shipping boxes and NO signs of "accordian" type damage to the bottom of the box. I am not an expert on Kenwood radio's but I worked in shipping for many years and this was NOT damaged in shipping.

Any Idea's? Any help or suggestion's from the group would be helpful.

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Robert
KD7AUB

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2651. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 07:54:38 UTC
From: keith hanks
Topic: 2575 Message: 2651

Robert,
I don't have much help on the rest of it but when my second radio came, from a fellow who had just had it adjusted and etc by a Kenwood store, the VFO was completely stuck. I assume it got bumped in transit somehow. I took the knob off and found that the screws were readily accessible. I was able to loosen them slightly and free it up. I was surprised at how little there was behind the knob. Good luck.

Keith

-----Original Message-----
From: Robert <kd7aub@...>
Sent: Nov 2, 2004 11:39 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Hi Richard,

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this was NOT damaged in shipping.

Any Idea's? Any help or suggestion's from the group would be helpful.

Thanks,

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KD7AUB

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Yahoo! Groups Links

2652. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 08:16:36 UTC
From: peter A markavage
Topic: 2575 Message: 2652

I would notify Paypal about the situation. If you present the facts as you stated here, see if Paypal can step in and resolve the problem. Paypal many times will rule in favor of the buyer. Keep all the e-mails between you and the seller. Buyers generally have more leverage than sellers.

Pete, wa2cwa

On Wed, 03 Nov 2004 07:39:08 -0000 "Robert" <kd7aub@...> writes:

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the
> front page to the effect that it covers both the TS-530SP and
> the TS-530D.
>
> Keep us posted on how you get on with the TS-530 when it arrives,
and in
> particular whether it is an /SP or a /D
>
> 73s
>
> Richard G3OTK
>
>
>
> At 19:16 28/10/2004 +0000, you wrote:
>
> >Richard,
> >
> >I don't have the rig yet. It should be here via UPS on tuesday. The
> >internet pic I saw of it had a manual with the /D at the end. It
may
> >not be a D. The previous owner may have just acquired that type
> >manual. I'll check it all out next week.
> >I agree with you that these are quality radio's. Knobs,
case...sturdy
> >and "manly"(hi)! Does your SP put out full power or has there been
> >some degradation?
> >
> >Robert
> >
> >

> > > Robert,
> > >
> > > Do you actually have a /D version? If so, it may be wise to
check
> >the AC
> > > line settings because the /D is 110/220v rather than 120/240V.
> > >
> > > I agree about the rating of the single tube version (the figures
> >from the
> > > manual are input not output), but 130W input on CW for a
> >S2001A/6146B seems
> > > a bit severe to me. I suppose that would give about 85W
output. A
> >quick
> > > tune-up would seem to be in order!
> > >
> > > S2001As are difficult, maybe impossible, to get hold of but I
> >believe that
> > > 6146Bs are OK. I have a TS510 with one of each fitted.
> > >
> > > I bought my TS530SP on UK Ebay recently and am delighted with
it.
> >I've
> > > since fitted a CW filter. Only problem with it now is
intermittent
> > > band-change switch, but I hope to get some switch cleaner on it
> >this
> > > weekend. So nice to operate a piece of equipment where each
> >function has
> > > its own control on the front panel.
> > >
> > > If you don't have an Operator's Manual go to www.mods.dk, or
> > > www.kb2ljj.com. I haven't found a (free) Service Manual on the
net
> >but
> > > maybe another Member can give you a URL.
> > >
> > > I will be looking for US stations this weekend in CQWW on
20m.....
> > >
> > > 73s
> > >
> > > Richard G3OTK
> > >
> > > At 04:26 28/10/2004 +0000, you wrote:
> > >
> > > Richard,
> > >
> > > Thanks very much for the info. I've put in many, many hours of
> > > internet research on this. Finally, an answer!

> > >
> > > I'm not sure what to think now however. I purchased the rig via
the
> > > internet(qrz.com) and the gent(original owner) said it put out
100
> > > watts on all bands. That would be rather difficult with only one
> > > tube!!
> > > Maybe there's a miscommunication somewhere. The radio should
arrive
> > > early next week. We'll see when I open the box.
> > >
> > > If it is a Korean version I wonder if a 6146B would fit into the
> >same
> > > slot as an S2001A?? Or are S2001A's $350.00 a piece(hi)!
> > >
> > > Robert
> > >
> > >
> > >
> > > Richard Harris
> > > PIPS Technology Ltd,
> > > York House,
> > > School Lane,
> > > Chandlers Ford,
> > > Eastleigh
> > > SO53 4DG
> > > United Kingdom
> > >
> > > Tel +44 (0) 2380 240250
> > > Direct +44 (0) 2380 240267
> > > Mobile +44 (0) 7808 935630
> > > Fax +44 (0) 2380 240251
> > >
> > > Web site www.pipstechnology.com
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> > > [Non-text portions of this message have been removed]
> >
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> >
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><http://us.ard.yahoo.com/SIG=129nsm6nm/M=281955.5530326.6602771.30011
76/D=groups/S=1705063108:HM/EXP=1099077402/A=2343726/R=0/SIG=12ihbrs7m
/*http://clk.atdmt.com/VON/go/yhxxxvon01900091von/direct/01/&time=1098
991002292134>554945.jpg
>
><http://us.ard.yahoo.com/SIG=129nsm6nm/M=281955.5530326.6602771.30011
76/D=groups/S=1705063108:HM/EXP=1099077402/A=2343726/R=1/SIG=12ihbrs7m
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>
>
>
> Richard Harris
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>
> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

2653. TS-530SP - Help

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 08:14:59 UTC
From: Richard Harris
Topic: 2653 Message: 2653

Robert,

I was very sorry to hear that you received a rig with so many problems. I don't have much experience of the insides of the 530 but there will be others in the group who can advise. I do have a copy of the Service Manual and can help with information about how to take the unit apart as well as all of the schematics and set-up information.

I hope that you are able to get a refund from the previous owner and can get another good example of the breed - they are excellent rigs. Otherwise you have given the group a challenge to help sort it out.

Keep us posted.

73s

Richard G3OTK

At 07:39 03/11/2004 +0000, you wrote:

Hi Richard,

Well, I received the rig today via UPS. It is a 530SP. The guy who sold it to me said it was in "perfect mechanical and electrical condition". The pic looked cosmetically good, which it is. BUT... within 10 minutes of taking it out of the box I ascertained:

-The VFO was not smooth, dragging against something (inside?)
-The VU meter did not light
-There was no movement at all of the VU meter
-The band switch just moved freely, without any click or stopage at bands(but you could hear individual bands)
-The audio on all bands was distorted on strong signals
-80 meters was just very loud hash, no signals readable

This is of course a huge disappointment!! I called the gentleman (seller) and he was very suprised and told me it was in perfect working order when he shipped it. I told him the shipping box was in perfect shape when it reached me. He said that UPS 'must' have dropped it. I told him I wanted to send the radio back, as it was far from what was represented to me. He insisted it was UPS's fault and said he'd call me later after he made a claim with them.
Two hours later he said UPS would have nothing to do with it. Then he started asking me 'what I had done with it'. To make a long story short he was trying to blame anyone but himself. He finally, after my point was expressed many times, said I should pay for shipping it back to him, his Paypal fee's, and half his shipping cost...then he

would refund the $300 I paid!

There was NOT even slight damage to the shipping boxes and NO signs
of "accordian" type damage to the bottom of the box. I am not an
expert on Kenwood radio's but I worked in shipping for many years and
this was NOT damaged in shipping.

Any Idea's? Any help or suggestion's from the group would be helpful.

Thanks,

Robert
KD7AUB

Richard Harris
PIPS Technology Ltd,
York House,
School Lane,
Chandlers Ford,
Eastleigh
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[Non-text portions of this message have been removed]

2654. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 10:09:10 UTC
From: Kay Groß
Topic: 2575 Message: 2654

Hello Robert,

what you described is a problem with the Bandswitch,
what is well known with the TS830/530.
What is very importnant do not!!!!!!!!!! transmit with the rig
with this problem.
There is a isolation piece between the first part
of the bandswitch and the second part, what is in
the case where the final tubes are. The two parts are not synchron
when this isolation piece is broken.The second part holds the position
off the complet switch so now you could rotate it where easily.
If you open the upper case you will see the problem.
You follow straight the switchaxis and you see the
isolation piece.It is not very expensive and other hams will know
where to buy it in the United States.
What is very important to find out what position the second part off
the switch has now to make both parts synchron otherwise
the tubes are mismatched and could break.
By the way I think it could not happen during transport.

good luck and success from Germany

Kay DL5OAQ

[Non-text portions of this message have been removed]

2655. Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 10:15:07 UTC
From: n9wb
Topic: 2575 Message: 2655

Robert:

It has been a long time since I have seen a 530 but I have some ideas. When I get done with this everybody on this site will know how crazy I really am but I wanted to share with you a wild guess.

Sounds like the S meter not working and the distortion on receive with strong signals as well as the loud hash on 80 meters could all be related. Sorry but I have to ask, is the AGC switch in the off position by chance? If it is, turning it on may be all it takes to fix these problems.

The following description may not be exact as I am trying to picture something I worked on several years ago.

The band switch should have a mechanism inside the front panel that has a steel ball much like a ball bearing and a flat spring that is a piece of spring steel. A gear like mechanism should be located on the shaft. The ball rests in-between two teeth of this gear like mechanism held in place by the steel spring. When the band switch is turned, the ball is pushed up over a tooth and drops into the next space on the gear-like part holding the band switch in the next position.

Now, this may seem real far out, but it is possible that the ball or some part has gotten out of the switch mechanism and is lodged in circuitry shorting out the AGC or perhaps lodged inside the AGC switch itself.
It may come rolling out. If it is missing from the switch look for it.

It is also possible that if the AGC problem was the AGC being switched off, the ball may have gotten into the VFO mechanism resulting in the dragging.

Oh by the way, I cannot remember if the AGC switch is a togle switch butit too may use a ball. Don't dig the wrong one out!

The meter light is a filament type light and often goes out by slight jostling when a radio is carried from one place to another. How often do service people have to hear the complaint " the light
was
working before I brought it in"? It is also possible that the switch mechanism I described above came apart due to rough treatment while being shipped, but not bad enough to damage the packaging.

Now I am really going out on a limb for a very long shot here but this is the first thing I would look for if this radio were on my bench.

What kind of e bay feedback did this seller have? Of course there is a problem with guys getting rid of junk this way. When dealing with large sums, I think e-bay has a system that works like a middleman who holds the money until you receive delivery of the item and assure it is satisfactory. Maybe somebody knows more about this.

In any event see how it looks inside. It may well be worth fixing.

VY 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "Robert" <kd7aub@y...> wrote:
>
> Hi Richard,
>
> Well, I received the rig today via UPS. It is a 530SP. The guy who
> sold it to me said it was in "perfect mechanical and electrical
> condition". The pic looked cosmetically good, which it is. BUT...
> within 10 minutes of taking it out of the box I ascertained:
>
> -The VFO was not smooth, dragging against something (inside?)
> -The VU meter did not light
> -There was no movement at all of the VU meter
> -The band switch just moved freely, without any click or stopage at
> bands(but you could hear individual bands)
> -The audio on all bands was distorted on strong signals
> -80 meters was just very loud hash, no signals readable
>
> This is of course a huge disappointment!! I called the gentleman
> (seller) and he was very suprised and told me it was in perfect
> working order when he shipped it. I told him the shipping box was
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> perfect shape when it reached me. He said that UPS 'must' have
> dropped it. I told him I wanted to send the radio back, as it was
far
> from what was represented to me. He insisted it was UPS's fault and
> said he'd call me later after he made a claim with them.
> Two hours later he said UPS would have nothing to do with it. Then
he
> started asking me 'what I had done with it'. To make a long story
> short he was trying to blame anyone but himself. He finally, after
my
> point was expressed many times, said I should pay for shipping it
> back to him, his Paypal fee's, and half his shipping cost...then he
> would refund the $300 I paid!
>
> There was NOT even slight damage to the shipping boxes and NO signs
> of "accordian" type damage to the bottom of the box. I am not an

> expert on Kenwood radio's but I worked in shipping for many years
and
> this was NOT damaged in shipping.
>
> Any Idea's? Any help or suggestion's from the group would be
helpful.
>
> Thanks,
>
> Robert
> KD7AUB
>
>

2656. Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 10:58:40 UTC
From: n9wb
Topic: 2575 Message: 2656

Robert:
I saw the message from Kay DL5OAQ after I posted mine. Looks like
the locking mechanism is in the back and the shaft is the problem.
Like I said it has been a long time since I have worked on a 530 but
I tried! Unless it too is somehow related to the bandswitch, you may
still suspect the deas S meter and overload to be an AGC problem.

Thanks Kay ! I'm glad someone came along with better info.

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "n9wb" <n9wb@n...> wrote:
>
> Robert:
>
> It has been a long time since I have seen a 530 but I have some
> ideas. When I get done with this everybody on this site will know
> how crazy I really am but I wanted to share with you a wild guess.
>
> Sounds like the S meter not working and the distortion on receive
> with strong signals as well as the loud hash on 80 meters could all
> be related. Sorry but I have to ask, is the AGC switch in the off
> position by chance? If it is, turning it on may be all it takes to
> fix these problems.
>
> The following description may not be exact as I am trying to
picture
> something I worked on several years ago.
>
> The band switch should have a mechanism inside the front panel that
> has a steel ball much like a ball bearing and a flat spring that is
a
> piece of spring steel. A gear like mechanism should be located on
> the shaft. The ball rests in-between two teeth of this gear like
> mechanism held in place by the steel spring. When the band switch
is
> turned, the ball is pushed up over a tooth and drops into the next
> space on the gear-like part holding the band switch in the next
> position.
>
> Now, this may seem real far out, but it is possible that the ball
or
> some part has gotten out of the switch mechanism and is lodged in
> circuitry shorting out the AGC or perhaps lodged inside the AGC
> switch itself.
> It may come rolling out. If it is missing from the switch look for

> it.
>
>
> It is also possible that if the AGC problem was the AGC being
> switched off, the ball may have gotten into the VFO mechanism
> resulting in the dragging.
>
> Oh by the way, I cannot remember if the AGC switch is a togle
switch
> butit too may use a ball. Don't dig the wrong one out!
>
> The meter light is a filament type light and often goes out by
slight
> jostling when a radio is carried from one place to another. How
> often do service people have to hear the complaint " the light
> was
> working before I brought it in"? It is also possible that the
> switch mechanism I described above came apart due to rough
treatment
> while being shipped, but not bad enough to damage the packaging.
>
> Now I am really going out on a limb for a very long shot here but
> this is the first thing I would look for if this radio were on my
> bench.
>
> What kind of e bay feedback did this seller have? Of course there
is
> a problem with guys getting rid of junk this way. When dealing
with
> large sums, I think e-bay has a system that works like a middleman
> who holds the money until you receive delivery of the item and
assure
> it is satisfactory. Maybe somebody knows more about this.
>
> In any event see how it looks inside. It may well be worth fixing.
>
> VY 73, Walt N9WB
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Robert" <kd7aub@y...>
> wrote:
> >
> > Hi Richard,
> >
> > Well, I received the rig today via UPS. It is a 530SP. The guy
who
> > sold it to me said it was in "perfect mechanical and electrical
> > condition". The pic looked cosmetically good, which it is. BUT...
> > within 10 minutes of taking it out of the box I ascertained:
> >

> > -The VFO was not smooth, dragging against something (inside?)
> > -The VU meter did not light
> > -There was no movement at all of the VU meter
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at
> > bands(but you could hear individual bands)
> > -The audio on all bands was distorted on strong signals
> > -80 meters was just very loud hash, no signals readable
> >
> > This is of course a huge disappointment!! I called the gentleman
> > (seller) and he was very suprised and told me it was in perfect
> > working order when he shipped it. I told him the shipping box was
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> > perfect shape when it reached me. He said that UPS 'must' have
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> > Two hours later he said UPS would have nothing to do with it.
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> > point was expressed many times, said I should pay for shipping it
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> > There was NOT even slight damage to the shipping boxes and NO
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> > expert on Kenwood radio's but I worked in shipping for many years
> and
> > this was NOT damaged in shipping.
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> > Any Idea's? Any help or suggestion's from the group would be
> helpful.
> >
> > Thanks,
> >
> > Robert
> > KD7AUB
> >
> >

2657. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 15:26:19 UTC
From: akshay daniel
Topic: 2575 Message: 2657

In addition to the AGC, ensure the NB is not turned up
too high.

It could very well be that you dealt with a dishonest
guy tough. I know how it feels....I was cheated by a
guy in Greenbay, WI, who sold me (the DX station) an
ailing Kenwood. He is a well known contester and
seemed to have a decent reputation! It is not always
only a guy in Nigeria or Bulgaria who cheats you!

Good luck!

73,
Ron, 6Y5/4S7RO

--- n9wb <n9wb@...> wrote:

>
> Robert:
> I saw the message from Kay DL5OAQ after I posted
> mine. Looks like
> the locking mechanism is in the back and the shaft
> is the problem.
> Like I said it has been a long time since I have
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> I tried! Unless it too is somehow related to the
> bandswitch, you may
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>
> Vy 73, Walt N9WB
>
> --- In TS-520_820_530_830@yahoogroups.com, "n9wb"
> <n9wb@n...> wrote:
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> > Robert:
> >
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> >
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> > The meter light is a filament type light and often
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> >
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> Of course there
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> When dealing
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> > who holds the money until you receive delivery of
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> > it is satisfactory. Maybe somebody knows more
> about this.
> >
> > In any event see how it looks inside. It may well
> be worth fixing.
> >
> > VY 73, Walt N9WB
> >

> >
> > --- In TS-520_820_530_830@yahoogroups.com,
> "Robert" <kd7aub@y...>
> > wrote:
> > >
> > > Hi Richard,
> > >
> > > Well, I received the rig today via UPS. It is a
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> > >
> > > This is of course a huge disappointment!! I
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> shipping box was
> > in
> > > perfect shape when it reached me. He said that
> UPS 'must' have
> > > dropped it. I told him I wanted to send the
> radio back, as it was
> > far
> > > from what was represented to me. He insisted it
> was UPS's fault
> and
> > > said he'd call me later after he made a claim
> with them.
> > > Two hours later he said UPS would have nothing
> to do with it.
> Then

> > he
> > > started asking me 'what I had done with it'. To
> make a long story
> > > short he was trying to blame anyone but himself.
> He finally,
> after
> > my
> > > point was expressed many times, said I should
> pay for shipping it
> > > back to him, his Paypal fee's, and half his
> shipping cost...then
> he
> > > would refund the $300 I paid!
> > >
> > > There was NOT even slight damage to the shipping
> boxes and NO
> signs
> > > of "accordian" type damage to the bottom of the
> box. I am not an
> > > expert on Kenwood radio's but I worked in
> shipping for many years
> > and
>
=== message truncated ===

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2658. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 15:44:25 UTC
From: Bill K0ZL
Topic: 2575 Message: 2658

I would not do anything to this rig until the dispute
is resolved. There is far too much wrong to be
shipping damage.

bill

--- keith hanks <kwhanks@...> wrote:

> Robert,
> I don't have much help on the rest of it but when my
> second radio came, from a fellow who had just had it
> adjusted and etc by a Kenwood store, the VFO was
> completely stuck. I assume it got bumped in transit
> somehow. I took the knob off and found that the
> screws were readily accessible. I was able to
> loosen them slightly and free it up. I was
> surprised at how little there was behind the knob.
> Good luck.
>
> Keith
>
> -----Original Message-----
> From: Robert <kd7aub@...>
> Sent: Nov 2, 2004 11:39 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Re: TS530SP HELP!!!!
>
>
>
> Hi Richard,
>
> Well, I received the rig today via UPS. It is a
> 530SP. The guy who
> sold it to me said it was in "perfect mechanical and
> electrical
> condition". The pic looked cosmetically good, which
> it is. BUT...
> within 10 minutes of taking it out of the box I
> ascertained:
>
> -The VFO was not smooth, dragging against something
> (inside?)
> -The VU meter did not light
> -There was no movement at all of the VU meter
> -The band switch just moved freely, without any
> click or stopage at

> bands(but you could hear individual bands)
> -The audio on all bands was distorted on strong
> signals
> -80 meters was just very loud hash, no signals
> readable
>
> This is of course a huge disappointment!! I called
> the gentleman
> (seller) and he was very suprised and told me it was
> in perfect
> working order when he shipped it. I told him the
> shipping box was in
> perfect shape when it reached me. He said that UPS
> 'must' have
> dropped it. I told him I wanted to send the radio
> back, as it was far
> from what was represented to me. He insisted it was
> UPS's fault and
> said he'd call me later after he made a claim with
> them.
> Two hours later he said UPS would have nothing to do
> with it. Then he
> started asking me 'what I had done with it'. To make
> a long story
> short he was trying to blame anyone but himself. He
> finally, after my
> point was expressed many times, said I should pay
> for shipping it
> back to him, his Paypal fee's, and half his shipping
> cost...then he
> would refund the $300 I paid!
>
> There was NOT even slight damage to the shipping
> boxes and NO signs
> of "accordian" type damage to the bottom of the box.
> I am not an
> expert on Kenwood radio's but I worked in shipping
> for many years and
> this was NOT damaged in shipping.
>
> Any Idea's? Any help or suggestion's from the group
> would be helpful.
>
> Thanks,
>
> Robert
> KD7AUB
>
>
>

> --- In TS-520_820_530_830@yahoogroups.com, Richard
> Harris
> <rjharris@i...> wrote:
> > Robert,
> >
> > I have to admit that I don't know what the power
> output of my TS-
> 530SP is
> > as I don't have a wattmeter. I would sum it up as
> "adequate"! I
> can get
> > 250mA of plate current so that's about 200W input
> and hopefully
> about 100W
> > out. The weakness of my station is the antenna -
> choice of a 20m
> dipole up
> > at 12 feet or 60 ft long(??) wire up at 6 ft!
> Still I have managed
> QSOs in
> > all continents in the past few weeks.
> >
> > The instruction manual that was supplied with my
> rig has a note on
> the
> > front page to the effect that it covers both the
> TS-530SP and
> > the TS-530D.
> >
> > Keep us posted on how you get on with the TS-530
> when it arrives,
> and in
> > particular whether it is an /SP or a /D
> >
> > 73s
> >
> > Richard G3OTK
> >
> >
> >
> > At 19:16 28/10/2004 +0000, you wrote:
> >
> > >Richard,
> > >
> > >I don't have the rig yet. It should be here via
> UPS on tuesday. The
> > >internet pic I saw of it had a manual with the /D
> at the end. It
> may
> > >not be a D. The previous owner may have just

> acquired that type
> > >manual. I'll check it all out next week.
> > >I agree with you that these are quality radio's.
> Knobs,
> case...sturdy
> > >and "manly"(hi)! Does your SP put out full power
> or has there been
> > >some degradation?
> > >
> > >Robert
> > >
> > >
> > > > Robert,
> > > >
> > > > Do you actually have a /D version? If so, it
> may be wise to
> check
> > >the AC
> > > > line settings because the /D is 110/220v
> rather than 120/240V.
> > > >
> > > > I agree about the rating of the single tube
> version (the figures
> > >from the
> > > > manual are input not output), but 130W input
> on CW for a
> > >S2001A/6146B seems
> > > > a bit severe to me. I suppose that would give
> about 85W
> output. A
> > >quick
> > > > tune-up would seem to be in order!
> > > >
> > > > S2001As are difficult, maybe impossible, to
> get hold of but I
> > >believe that
> > > > 6146Bs are OK. I have a TS510 with one of
> each fitted.
> > > >
> > > > I bought my TS530SP on UK Ebay recently and am
> delighted with
> it.
> > >I've
> > > > since fitted a CW filter. Only problem with
> it now is
> intermittent
> > > > band-change switch, but I hope to get some
> switch cleaner on it
> > >this
> > > > weekend. So nice to operate a piece of

> equipment where each
> > >function has
> > > > its own control on the front panel.
> > > >
> > > > If you don't have an Operator's Manual go to
> www.mods.dk, or
> > > > www.kb2ljj.com. I haven't found a (free)
> Service Manual on the
> net
> > >but
> > > > maybe another Member can give you a URL.
> > > >
> > > > I will be looking for US stations this weekend
> in
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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2659. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 15:43:46 UTC
From: Bill K0ZL
Topic: 2575 Message: 2659

Hi Robert,

Well if you bought the rig via Ebay, a threat of
negative feedback and possibility of contacting ebay
regarding fraudulent claims by a seller might help.
Always try to work with the seller.

If you paid via Paypal, there is some buyer protection
there also; contact them.

If you paid via credit card, photocopy everything and
call your CC issuer to dispute the claim. They will
put a back-charge on the sellers merchant account and
the seller will not get his money until the dispute is
resolved.

Did you have a witness to the condition of the radio?

bill
--- Robert <kd7aub@...> wrote:

>
> Hi Richard,
>
> Well, I received the rig today via UPS. It is a
> 530SP. The guy who
> sold it to me said it was in "perfect mechanical and
> electrical
> condition". The pic looked cosmetically good, which
> it is. BUT...
> within 10 minutes of taking it out of the box I
> ascertained:
>
> -The VFO was not smooth, dragging against something
> (inside?)
> -The VU meter did not light
> -There was no movement at all of the VU meter
> -The band switch just moved freely, without any
> click or stopage at
> bands(but you could hear individual bands)
> -The audio on all bands was distorted on strong
> signals
> -80 meters was just very loud hash, no signals
> readable
>
> This is of course a huge disappointment!! I called

> the gentleman
> (seller) and he was very suprised and told me it was
> in perfect
> working order when he shipped it. I told him the
> shipping box was in
> perfect shape when it reached me. He said that UPS
> 'must' have
> dropped it. I told him I wanted to send the radio
> back, as it was far
> from what was represented to me. He insisted it was
> UPS's fault and
> said he'd call me later after he made a claim with
> them.
> Two hours later he said UPS would have nothing to do
> with it. Then he
> started asking me 'what I had done with it'. To make
> a long story
> short he was trying to blame anyone but himself. He
> finally, after my
> point was expressed many times, said I should pay
> for shipping it
> back to him, his Paypal fee's, and half his shipping
> cost...then he
> would refund the $300 I paid!
>
> There was NOT even slight damage to the shipping
> boxes and NO signs
> of "accordian" type damage to the bottom of the box.
> I am not an
> expert on Kenwood radio's but I worked in shipping
> for many years and
> this was NOT damaged in shipping.
>
> Any Idea's? Any help or suggestion's from the group
> would be helpful.
>
> Thanks,
>
> Robert
> KD7AUB
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Richard
> Harris
> <rjharris@i...> wrote:
> > Robert,
> >
> > I have to admit that I don't know what the power
> output of my TS-

> 530SP is
> > as I don't have a wattmeter. I would sum it up as
> "adequate"! I
> can get
> > 250mA of plate current so that's about 200W input
> and hopefully
> about 100W
> > out. The weakness of my station is the antenna -
> choice of a 20m
> dipole up
> > at 12 feet or 60 ft long(??) wire up at 6 ft!
> Still I have managed
> QSOs in
> > all continents in the past few weeks.
> >
> > The instruction manual that was supplied with my
> rig has a note on
> the
> > front page to the effect that it covers both the
> TS-530SP and
> > the TS-530D.
> >
> > Keep us posted on how you get on with the TS-530
> when it arrives,
> and in
> > particular whether it is an /SP or a /D
> >
> > 73s
> >
> > Richard G3OTK
> >
> >
> >
> > At 19:16 28/10/2004 +0000, you wrote:
> >
> > >Richard,
> > >
> > >I don't have the rig yet. It should be here via
> UPS on tuesday. The
> > >internet pic I saw of it had a manual with the /D
> at the end. It
> may
> > >not be a D. The previous owner may have just
> acquired that type
> > >manual. I'll check it all out next week.
> > >I agree with you that these are quality radio's.
> Knobs,
> case...sturdy
> > >and "manly"(hi)! Does your SP put out full power
> or has there been

> > >some degradation?
> > >
> > >Robert
> > >
> > >
> > > > Robert,
> > > >
> > > > Do you actually have a /D version? If so, it
> may be wise to
> check
> > >the AC
> > > > line settings because the /D is 110/220v
> rather than 120/240V.
> > > >
> > > > I agree about the rating of the single tube
> version (the figures
> > >from the
> > > > manual are input not output), but 130W input
> on CW for a
> > >S2001A/6146B seems
> > > > a bit severe to me. I suppose that would give
> about 85W
> output. A
> > >quick
> > > > tune-up would seem to be in order!
> > > >
> > > > S2001As are difficult, maybe impossible, to
> get hold of but I
> > >believe that
> > > > 6146Bs are OK. I have a TS510 with one of
> each fitted.
> > > >
> > > > I bought my TS530SP on UK Ebay recently and am
> delighted with
> it.
> > >I've
> > > > since fitted a CW filter. Only problem with
> it now is
> intermittent
> > > > band-change switch, but I hope to get some
> switch cleaner on it
> > >this
> > > > weekend. So nice to operate a piece of
> equipment where each
> > >function has
> > > > its own control on the front panel.
> > > >
> > > > If you don't have an Operator's Manual go to
> www.mods.dk, or
> > > > www.kb2ljj.com. I haven't found a (free)

> Service Manual on the
> net
> > >but
> > > > maybe another Member can give you a URL.
> > > >
> > > > I will be looking for US stations this weekend
> in CQWW on
> 20m.....
> > > >
> > > > 73s
> > > >
> > > > Richard G3OTK
> > > >
> > > > At 04:26 28/10/2004 +0000, you wrote:
> > > >
> > > > Richard,
> > > >
> > > > Thanks very much for the info. I've put in
> many, many hours of
> > > > internet research on this. Finally, an answer!
> > > >
> > > > I'm not sure what to think now however. I
> purchased the rig via
> the
> > > > internet(qrz.com) and the gent(original owner)
> said it put out
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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http://mail.yahoo.com

2660. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-03 17:15:37 UTC
From: g4jbr@netscape.net
Topic: 2660 Message: 2660

hi just a thought but quite a few of the symptoms mentioned (other than bandswitch) could just be AGC switch off?
pete g4jbr
>>
>

>
>

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2661. Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 00:51:43 UTC
From: Robert
Topic: 2660 Message: 2661

Well....yes the AGC switch did take a few of the problems away. I used to have an 830 briefly and the AGC did not work like this one. It must have been faulty, or the 830 is different. But I did find this out late last night as I switched around. So thank very much for that suggestion which solved the VU/Audio overdrive problem. You guy's are on it quickly!
The bandswitch, VU light and a loose blue wire down near the VFO are my only concerns now. I just got in from work and as I was reading through all of your emails I think I've decided to just fix these problems and live with this particular gentleman's inaccuracies.
I think I need to fix the bandswitch first...to be sure I can check out the tx power output.
Thank you all for the quick response and excellent suggestions. I'll reread them now.

Robert

--- In TS-520_820_530_830@yahoogroups.com, g4jbr@n... wrote:
> hi just a thought but quite a few of the symptoms mentioned (other than bandswitch) could just be AGC switch off?
> pete g4jbr
> >>
> >
>
> >
> >
>
> ____
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2662. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 01:57:11 UTC
From: Bill K0ZL
Topic: 2660 Message: 2662

OK Robert
Look at the coupling from the bandswitch shaft leading
into the PA cage. It may be loose, or broken.

You will need some way of making sure that the rear
part of the switch which selects the PA tank tap for a
particular band, is synced with the front part which
does everything else (RF amp, driver grid, driver
plate). Otherwise you will see no power out and the
tank ckt will not dip on the right band.

b

--- Robert <kd7aub@...> wrote:

>
> Well....yes the AGC switch did take a few of the
> problems away. I
> used to have an 830 briefly and the AGC did not work
> like this one.
> It must have been faulty, or the 830 is different.
> But I did find
> this out late last night as I switched around. So
> thank very much for
> that suggestion which solved the VU/Audio overdrive
> problem. You
> guy's are on it quickly!
> The bandswitch, VU light and a loose blue wire down
> near the VFO are
> my only concerns now. I just got in from work and as
> I was reading
> through all of your emails I think I've decided to
> just fix these
> problems and live with this particular gentleman's
> inaccuracies.
> I think I need to fix the bandswitch first...to be
> sure I can check
> out the tx power output.
> Thank you all for the quick response and excellent
> suggestions. I'll
> reread them now.
>
> Robert
>
>
>

>
> --- In TS-520_820_530_830@yahoogroups.com,
> g4jbr@n... wrote:
> > hi just a thought but quite a few of the symptoms
> mentioned (other
> than bandswitch) could just be AGC switch off?
> > pete g4jbr
> > >>
> > >
> >
> > >
> > >
> >
> >
>

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>
>

=====

"If in doubt, MODIFY" --k0zl

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2663. TS-520 Feet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 02:44:37 UTC
From: Raymond Stevens
Topic: 2663 Message: 2663

Hi everyone,

I recently purchased a Kenwood TS-520 in good shape. I am looking for a pair of the "extension feet" and screws used to elevate the front of the radio. Anyone have what I am looking for?

If so, please email me at: w2byo@...

73,

jRay/W2BYO

_____
Don?t just search. Find. Check out the new MSN Search!
http://search.msn.click-url.com/go/onm00200636ave/direct/01/

2664. TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 03:17:53 UTC
From: james
Topic: 2664 Message: 2664

i do beleive that i'm tracking on the tune up except for one thing
in the last part when trying to increase the load why adjust the
plate current as well?

2665. 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 03:18:55 UTC
From: Robert
Topic: 2660 Message: 2665

Bill,

I opened up the cage and removed a 6146B(frontside) and can easily see that the white connecter immediately inside the cage is broken. So nothing is being selected in the tank circuit, evidently. It looks like it would be pretty difficult to get to the part that's broken...??

Thanks,

Robert

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> OK Robert
> Look at the coupling from the bandswitch shaft leading
> into the PA cage. It may be loose, or broken.
>
> You will need some way of making sure that the rear
> part of the switch which selects the PA tank tap for a
> particular band, is synced with the front part which
> does everything else (RF amp, driver grid, driver
> plate). Otherwise you will see no power out and the
> tank ckt will not dip on the right band.
>
> b
>
> --- Robert <kd7aub@y...> wrote:
>
> >
> > Well....yes the AGC switch did take a few of the
> > problems away. I
> > used to have an 830 briefly and the AGC did not work
> > like this one.
> > It must have been faulty, or the 830 is different.
> > But I did find
> > this out late last night as I switched around. So
> > thank very much for
> > that suggestion which solved the VU/Audio overdrive
> > problem. You
> > guy's are on it quickly!
> > The bandswitch, VU light and a loose blue wire down
> > near the VFO are
> > my only concerns now. I just got in from work and as
> > I was reading
> > through all of your emails I think I've decided to

> > just fix these
> > problems and live with this particular gentleman's
> > inaccuracies.
> > I think I need to fix the bandswitch first...to be
> > sure I can check
> > out the tx power output.
> > Thank you all for the quick response and excellent
> > suggestions. I'll
> > reread them now.
> >
> > Robert
> >
> >
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com,
> > g4jbr@n... wrote:
> > > hi just a thought but quite a few of the symptoms
> > mentioned (other
> > than bandswitch) could just be AGC switch off?
> > > pete g4jbr
> > > >>
> > > > >
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> > > > >
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> > >
> > _____
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl

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> Need a tech? See our website www.amateur-repairs.com
>
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>
> _____
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> Check out the new Yahoo! Front Page.
> www.yahoo.com

2666. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 03:41:17 UTC
From: Steve Phillips
Topic: 2666 Message: 2666

Don't be embarrassed.

I recently got a TS-820S and also thought the meter was not working....until
I turned on the AGC. ;-)

Steve
VA3SPX

----- Original Message -----
From: "Robert" <kd7aub@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, November 03, 2004 7:51 PM
Subject: [TS-520_820_530_830] Re: TS530SP HELP!!!!

>
>
> Well....yes the AGC switch did take a few of the problems away. I
> used to have an 830 briefly and the AGC did not work like this one.
> It must have been faulty, or the 830 is different. But I did find
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> through all of your emails I think I've decided to just fix these
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> I think I need to fix the bandswitch first...to be sure I can check
> out the tx power output.
> Thank you all for the quick response and excellent suggestions. I'll
> reread them now.
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> Robert
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> --- In TS-520_820_530_830@yahoogroups.com, g4jbr@n... wrote:
> > hi just a thought but quite a few of the symptoms mentioned (other
> than bandswitch) could just be AGC switch off?
> > pete g4jbr
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> > > >
> > > >
> > >

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2667. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 12:51:41 UTC
From: dennis hatch
Topic: 2666 Message: 2667

Robert:

The loose blue wire is a wire, when cut, enables the WARC bands on the radio. Tie it into the cable bundle with a ty-wrap and "don't sweat it"....

73

Dennis, WA0WAB

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[Non-text portions of this message have been removed]

2668. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 14:57:55 UTC
From: Bill K0ZL
Topic: 2664 Message: 2668

When you change loading, that always causes the plate current to change. It will also slightly change the resonant point of the plate tuning cap, because it all interacts. Think of the tune and load controls as an antenna tuner for the tubes. You are trying to effect a "match" between the tube anode circuit and the antenna for maximum power transfer.

You should see maximum power out with a LOAD setting that will give you about 10-12 percent plate current DIP on the TUNE control. As you rock the tune control back and forth, you may see it up to 260 mills on either side of the dip, and 230 mils on the dip; this is different for each radio and each antenna.

If the dip is too deep, the impedance of the tubes is not matched to the antenna and the plate circuit is said to be "under loaded". Maximum power is not transferred to the load (antenna) from the transmitter. Plate dissipation is increased. Tube life is decreased.

As you advance the LOAD control, the dip becomes less and less deep; past the 10-12 percent mark, when the dip becomes nearly indetectable, the circuit is said to be "over loaded" (more clearly, "overly loaded") and again, the plate circuits are not matched to the antenna impedance. Again, maximum power is not transferred to the load (antenna) from the transmitter. Plate dissipation is again increased, because the circuit is now much less efficient in getting the power generated by the anode circuit out to the load; tube life is decreased.

Don't take long when doing this, and always end the transmission in the "dip" to minimize plate dissipation. Always "play" into dummy load if possible to keep your carrier from interfering with others and to reduce the effects of SWR on tuning which can confuse things, when you are learning.

I am able to match my G5RV which has 2:1 swr on all ham bands, using this method with my Valiant which has the same type of matching circuit. I don't use a tuner with any of my tube rigs; the plate tank circuit is the tuner!

73,

Bill
K0ZL

--- james <leartez2000@...> wrote:

>
> i do beleive that i'm tracking on the tune up except
> for one thing
> in the last part when trying to increase the load
> why adjust the
> plate current as well?
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2669. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 15:27:52 UTC
From: Paul Manuel
Topic: 2664 Message: 2669

--- Bill K0ZL <coorsbill@...> wrote:
> If the dip is too deep, the impedance of the tubes is
> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube life
> is decreased.

Bill,
In all my years of radio I have never before seen an explanation of "under loading." I had heard the term and seen it in literature, but never knew for sure what it was. Thank you so much!
73,
Paul K4PDM

_____
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2670. No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:03:10 UTC
From: kc8jhy
Topic: 2670 Message: 2670

I own a Kenwood TS-530S. When I try to tune the transmitter I receive no RF output on the meter, when I try to dip the plate current the meter shows absolutley no deflection at all. I can't get any forward power on the tuner meter. The bias shows 60mA and the HV is OK. ALC is OK.

The SG is turned on, the RF pot is turned all the way up. I swaped out all the tubes with a spare set.

Recently I broke off the lead from one of the cups that fit on top of the 6146's. I resoldered it and it seamed to be Ok. Now this happened.
Any ideas.

Thanks,

Tom KC8JHY

2671. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:13:05 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 2671

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /REPAIR TEXTS/TS-530-820-830 FLEX BANDSWITCH COUPLING REPL.pdf
Uploaded by : k0zl <coorsbill@...>
Description : Changing the Bandswitch Coupling

You can access this file at the URL:
http://groups.yahoo.com/group/TS-520_820_530_830/files/REPAIR%20TEXTS/TS-530-820-830%20FLEX%20BANDSWITCH%20COUPLING%20REPL.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

2672. Re: [TS-520_820_530_830] 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:15:06 UTC
From: Bill K0ZL
Topic: 2660 Message: 2672

Login to the group and go to FILES, then REPAIR TEXTS
and download the PDF I just made

b

--- Robert <kd7aub@...> wrote:

>
> Bill,
>
> I opened up the cage and removed a 6146B(frontside)
> and can easily
> see that the white connecter immediately inside the
> cage is broken.
> So nothing is being selected in the tank circuit,
> evidently. It looks
> like it would be pretty difficult to get to the part
> that's
> broken...??
>
> Thanks,
>
> Robert
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > OK Robert
> > Look at the coupling from the bandswitch shaft
> leading
> > into the PA cage. It may be loose, or broken.
> >
> > You will need some way of making sure that the
> rear
> > part of the switch which selects the PA tank tap
> for a
> > particular band, is synced with the front part
> which
> > does everything else (RF amp, driver grid, driver
> > plate). Otherwise you will see no power out and
> the
> > tank ckt will not dip on the right band.
> >
> > b
> >

> > --- Robert <kd7aub@y...> wrote:
> >
> > >
> > > Well....yes the AGC switch did take a few of the
> > > problems away. I
> > > used to have an 830 briefly and the AGC did not
> work
> > > like this one.
> > > It must have been faulty, or the 830 is
> different.
> > > But I did find
> > > this out late last night as I switched around.
> So
> > > thank very much for
> > > that suggestion which solved the VU/Audio
> overdrive
> > > problem. You
> > > guy's are on it quickly!
> > > The bandswitch, VU light and a loose blue wire
> down
> > > near the VFO are
> > > my only concerns now. I just got in from work
> and as
> > > I was reading
> > > through all of your emails I think I've decided
> to
> > > just fix these
> > > problems and live with this particular
> gentleman's
> > > inaccuracies.
> > > I think I need to fix the bandswitch first...to
> be
> > > sure I can check
> > > out the tx power output.
> > > Thank you all for the quick response and
> excellent
> > > suggestions. I'll
> > > reread them now.
> > >
> > > Robert
> > >
> > >
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com,
> > > g4jbr@n... wrote:
> > > > hi just a thought but quite a few of the
> symptoms
> > > mentioned (other
> > > than bandswitch) could just be AGC switch off?

> > > > pete g4jbr
> > > > >>
> > > > >
> > > >
> > > > >
> > > > >
> > > >
> > > >
> > >
> >
>

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> http://channels.netscape.com/ns/search/install.jsp
> > >
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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>

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2673. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:27:29 UTC
From: Bill K0ZL
Topic: 2664 Message: 2673

What's really strange is that when under-loaded or
with the dip too deep, the loading cap is fully
meshed; just the opposite of what one might expect!
hi.

bill

--- Paul Manuel <k4pdm@...> wrote:

>
> --- Bill K0ZL <coorsbill@...> wrote:
> > If the dip is too deep, the impedance of the tubes
> is
> > not matched to the antenna and the plate circuit
> is
> > said to be "under loaded". Maximum power is not
> > transferred to the load (antenna) from the
> > transmitter. Plate dissipation is increased. Tube
> life
> > is decreased.
>
> Bill,
> In all my years of radio I have never before seen an
> explanation of "under
> loading." I had heard the term and seen it in
> literature, but never knew
> for sure what it was. Thank you so much!
> 73,
> Paul K4PDM
>
>
>
> _________________________________
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>
>

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2674. Re: [TS-520_820_530_830] No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:31:13 UTC
From: Bill K0ZL
Topic: 2670 Message: 2674

when you are tuning, you get nothing morre than idle
current at any time?

This would be a broken wire at the top of the plate
choke; you probably broke it when you fixed the tube
cap.

Just unwind it a couple of turns and strip the enamel
off with a sharp knife, and re-solder it to the top
connector on the plate choke. Stay away from the
parasitic suppressor leads; you don't want to have to
unsolder the thin wire to change them later if needed.

be careful; hv will kill you.

b

--- kc8jhy <kc8jhy@...> wrote:

>
> I own a Kenwood TS-530S. When I try to tune the
> transmitter I
> receive no RF output on the meter, when I try to dip
> the plate
> current the meter shows absolutley no deflection at
> all. I can't get
> any forward power on the tuner meter. The bias shows
> 60mA and the HV
> is OK. ALC is OK.
>
> The SG is turned on, the RF pot is turned all the
> way up. I swaped
> out all the tubes with a spare set.
>
> Recently I broke off the lead from one of the cups
> that fit on top
> of the 6146's. I resoldered it and it seamed to be
> Ok. Now this
> happened.
> Any ideas.
>
> Thanks,
>
> Tom KC8JHY
>

>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2675. A new to me Kenwood....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 16:46:34 UTC
From: KD5SFA
Topic: 2675 Message: 2675

I just got a TS-830s to sit beside my 520s and 700sp.
Looks like my classic Kenwood collection is beginning to grow.

Did they change the color of the Kenwood emblem on the 830's ?
This one has a gold Kenwood emblem but the face and everything else what I would expect as normal.

73,
Jon
KD5SFA

2676. Re: [TS-520_820_530_830] A new to me Kenwood....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 17:39:54 UTC
From: peter A markavage
Topic: 2675 Message: 2676

There is zero difference between a gold emblem rig and any other color emblem. If someone tells you there is, it's a myth. It's a bogus sales pitch used by some sellers.
Pete, wa2cwa

On Thu, 4 Nov 2004 10:46:34 -0600 (GMT-06:00) KD5SFA <divenut1@...> writes:
I just got a TS-830s to sit beside my 520s and 700sp.
Looks like my classic Kenwood collection is beginning to grow.

Did they change the color of the Kenwood emblem on the 830's ?
This one has a gold Kenwood emblem but the face and everything else what I would
expect as normal.

73,
Jon
KD5SFA

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[Non-text portions of this message have been removed]

2677. Re: [TS-520_820_530_830] No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 18:09:06 UTC
From: akshay daniel
Topic: 2670 Message: 2677

You can get a huge jolt touching the anode cap even
half hour or more after switching the rig off. Make
sure you bleed it to ground before working on the rig.

73,
Ron

--- Bill K0ZL <coorsbill@...> wrote:

> when you are tuning, you get nothing morre than idle
> current at any time?
>
> This would be a broken wire at the top of the plate
> choke; you probably broke it when you fixed the tube
> cap.
>
> Just unwind it a couple of turns and strip the
> enamel
> off with a sharp knife, and re-solder it to the top
> connector on the plate choke. Stay away from the
> parasitic suppressor leads; you don't want to have
> to
> unsolder the thin wire to change them later if
> needed.
>
> be careful; hv will kill you.
>
> b
>
> --- kc8jhy <kc8jhy@...> wrote:
>
> >
> > I own a Kenwood TS-530S. When I try to tune the
> > transmitter I
> > receive no RF output on the meter, when I try to
> dip
> > the plate
> > current the meter shows absolutley no deflection
> at
> > all. I can't get
> > any forward power on the tuner meter. The bias
> shows
> > 60mA and the HV
> > is OK. ALC is OK.

> >
> > The SG is turned on, the RF pot is turned all the
> > way up. I swaped
> > out all the tubes with a spare set.
> >
> > Recently I broke off the lead from one of the cups
> > that fit on top
> > of the 6146's. I resoldered it and it seamed to be
> > Ok. Now this
> > happened.
> > Any ideas.
> >
> > Thanks,
> >
> > Tom KC8JHY
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2678. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 18:14:29 UTC
From: Kay Groß
Topic: 2666 Message: 2678

Hello Robert,

well decided. He is the looser and
you are the winner.Off course you gave good money
and received a bad rig, but your knowledge grows with every fixed
problem, and at the end you love your rig because you know a lot
about it. I have made this experience several times and it is not
right what the seller has done but I am the winner not he,hihi.

73 and all the best and good luck

Kay DL5OAQ

[Non-text portions of this message have been removed]

2679. Re: [TS-520_820_530_830] A new to me Kenwood....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 17:59:20 UTC
From: akshay daniel
Topic: 2675 Message: 2679

Pete, might it indicate a later production batch?
I have seen people touting 830s as "Gold emblem" !
Yeara ago, I had two 830s -- one of each. As yous say,
no dif at all but I do wonder if one was older (or
newer!) than the other?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> There is zero difference between a gold emblem rig
> and any other color
> emblem. If someone tells you there is, it's a myth.
> It's a bogus sales
> pitch used by some sellers.
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 10:46:34 -0600 (GMT-06:00) KD5SFA
> <divenut1@...> writes:
> I just got a TS-830s to sit beside my 520s and
> 700sp.
> Looks like my classic Kenwood collection is
> beginning to grow.
>
> Did they change the color of the Kenwood emblem on
> the 830's ?
> This one has a gold Kenwood emblem but the face and
> everything else what
> I would
> expect as normal.
>
> 73,
> Jon
> KD5SFA
>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
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2680. Re: No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 19:28:56 UTC
From: n9wb
Topic: 2670 Message: 2680

It there is a key or keyer pluged into the CW Jack, it will do this unless the key is closed. If there is, try unpluging it.

--- In TS-520_820_530_830@yahoogroups.com, "kc8jhy" <kc8jhy@v...> wrote:
>
> I own a Kenwood TS-530S. When I try to tune the transmitter I
> receive no RF output on the meter, Snip

2681. TS 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 19:52:09 UTC
From: sharpie1241
Topic: 2681 Message: 2681

Does anyone have a clear schematic for a TS 520S so you can read the voltages? Thanks

KC4FM
Gene

2682. Re: No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 19:56:27 UTC
From: n9wb
Topic: 2670 Message: 2682

Be sure the screen grid and transverter switches are in the right position if you have one. (I have an 820) Do you have any output if you speak into the mike on USB, LSB ? Do you get a Reading on the ALC meter?

--- In TS-520_820_530_830@yahoogroups.com, "n9wb" <n9wb@n...> wrote:
>
> It there is a key or keyer pluged into the CW Jack, it will do this
> unless the key is closed. If there is, try unpluging it.
>
> --- In TS-520_820_530_830@yahoogroups.com, "kc8jhy" <kc8jhy@v...>
> wrote:
> >
> > I own a Kenwood TS-530S. When I try to tune the transmitter I
> > receive no RF output on the meter, Snip

2683. Re: TS-520 Feet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 20:02:20 UTC
From: n9wb
Topic: 2663 Message: 2683

I have seen caps for the bottom of walking canes. If the right size, they can slide over the existing feet. Ace hardware has these. Also they have specialized hardware in cardboard drawers by Hillman. Round rubber rollers and things.

--- In TS-520_820_530_830@yahoogroups.com, "Raymond Stevens" <w2byo@h...> wrote:
> Hi everyone,
>
> I recently purchased a Kenwood TS-520 in good shape. I am looking for a
> pair of the "extension feet" and screws used to elevate the front of the
> radio. Anyone have what I am looking for?
>
> If so, please email me at: w2byo@h...
>
> 73,
>
> jRay/W2BYO
>
> _____
> Don't just search. Find. Check out the new MSN Search!
> http://search.msn.click-url.com/go/onm00200636ave/direct/01/

2684. RE: [TS-520_820_530_830] TS 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 20:28:44 UTC
From: Gary Commer
Topic: 2681 Message: 2684

Here is another Schematic in another format. This one is for the 520

73 dit dit
de Gary AF4LD

> [Original Message]
> From: sharpie1241 <kc4fm@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Date: 11/4/2004 2:53:44 PM
> Subject: [TS-520_820_530_830] TS 520S
>
>
>
> Does anyone have a clear schematic for a TS 520S so you can read
> the voltages? Thanks
>
> KC4FM
> Gene
>
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[Non-text portions of this message have been removed]

2685. Re: TS 520S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 21:26:31 UTC
From: sharpie1241
Topic: 2681 Message: 2685

--- In TS-520_820_530_830@yahoogroups.com, "sharpie1241"
<kc4fm@c...> wrote:
>
> Does anyone have a clear schematic for a TS 520S so you can read
> the voltages? Thanks
>
> KC4FM
> Gene

Thanks for the schematic Gary, this helps alot.

Gene
KC4FM

2686. Re: [TS-520_820_530_830] Re: No RF Output or PWR on a Kenwood TS-530s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 22:33:54 UTC
From: akshay daniel
Topic: 2670 Message: 2686

Probably not an issue when you are in "tune" position.
Might be a good idea to see if there is drive?

73,
Ron

--- n9wb <n9wb@...> wrote:

>
> It there is a key or keyer pluged into the CW Jack,
> it will do this
> unless the key is closed. If there is, try
> unpluging it.
>
> --- In TS-520_820_530_830@yahoogroups.com, "kc8jhy"
> <kc8jhy@v...>
> wrote:
> >
> > I own a Kenwood TS-530S. When I try to tune the
> transmitter I
> > receive no RF output on the meter, Snip
>
>
>
>

_____
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2687. Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:17:47 UTC
From: Robert
Topic: 2666 Message: 2687

Thanks Much Dennis!

--- In TS-520_820_530_830@yahoogroups.com, dennis hatch
<dennishhatch@y...> wrote:
>
>
> Robert:
>
> The loose blue wire is a wire, when cut, enables the WARC
bands on the radio. Tie it into the cable bundle with a ty-wrap
and "don't sweat it"....
>
> 73
>
> Dennis, WA0WAB
>
>
>
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> [Non-text portions of this message have been removed]

2688. Re: 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:35:35 UTC
From: Robert
Topic: 2660 Message: 2688

Thanks Much Bill....Excellent info!

R

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Login to the group and go to FILES, then REPAIR TEXTS
> and download the PDF I just made
>
> b
>
> --- Robert <kd7aub@y...> wrote:
>
> >
> > Bill,
> >
> > I opened up the cage and removed a 6146B(frontside)
> > and can easily
> > see that the white connecter immediately inside the
> > cage is broken.
> > So nothing is being selected in the tank circuit,
> > evidently. It looks
> > like it would be pretty difficult to get to the part
> > that's
> > broken...??
> >
> > Thanks,
> >
> > Robert
> >
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > <coorsbill@y...>
> > wrote:
> > > OK Robert
> > > Look at the coupling from the bandswitch shaft
> > leading
> > > into the PA cage. It may be loose, or broken.
> > >
> > > You will need some way of making sure that the
> > rear
> > > part of the switch which selects the PA tank tap
> > for a
> > > particular band, is synced with the front part
> > which

> > > does everything else (RF amp, driver grid, driver
> > > plate). Otherwise you will see no power out and
> > the
> > > tank ckt will not dip on the right band.
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> > > b
> > >
> > > --- Robert <kd7aub@y...> wrote:
> > >
> > > >
> > > > Well....yes the AGC switch did take a few of the
> > > > problems away. I
> > > > used to have an 830 briefly and the AGC did not
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> > > > It must have been faulty, or the 830 is
> > different.
> > > > But I did find
> > > > this out late last night as I switched around.
> > So
> > > > thank very much for
> > > > that suggestion which solved the VU/Audio
> > overdrive
> > > > problem. You
> > > > guy's are on it quickly!
> > > > The bandswitch, VU light and a loose blue wire
> > down
> > > > near the VFO are
> > > > my only concerns now. I just got in from work
> > and as
> > > > I was reading
> > > > through all of your emails I think I've decided
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> > > > just fix these
> > > > problems and live with this particular
> > gentleman's
> > > > inaccuracies.
> > > > I think I need to fix the bandswitch first...to
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> > > > sure I can check
> > > > out the tx power output.
> > > > Thank you all for the quick response and
> > excellent
> > > > suggestions. I'll
> > > > reread them now.
> > > >
> > > > Robert
> > > >
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> > > >
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> > > > g4jbr@n... wrote:
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> > > > "If in doubt, MODIFY" --k0zl
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> > > > Need a tech? See our website
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2689. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:40:38 UTC
From: Bill K0ZL
Topic: 2666 Message: 2689

Kay knows how to make good lemonade, hi hi!

bill

--- Kay Gro? <kaygross@...> wrote:

> Hello Robert,
>
> well decided. He is the looser and
> you are the winner.Off course you gave good money
> and received a bad rig, but your knowledge grows
> with every fixed
> problem, and at the end you love your rig because
> you know a lot
> about it. I have made this experience several times
> and it is not
> right what the seller has done but I am the winner
> not he,hihi.
>
> 73 and all the best and good luck
>
> Kay DL5OAQ
>
>
> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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2690. Re: [TS-520_820_530_830] Re: 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:44:31 UTC
From: Bill K0ZL
Topic: 2660 Message: 2690

Thanks. Need photo of the coupling inside the PA cage
but don't have one yet. next rig on bench if I think
about it, will shoot it and revise the article.

b

--- Robert <kd7aub@...> wrote:

>
> Thanks Much Bill....Excellent info!
>
> R
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
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> > --- Robert <kd7aub@y...> wrote:
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> > > Bill,
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> > > So nothing is being selected in the tank
> circuit,
> > > evidently. It looks
> > > like it would be pretty difficult to get to the
> part
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> > > broken...??
> > >
> > > Thanks,
> > >

> > > Robert
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > > <coorsbill@y...>
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> > > > You will need some way of making sure that the
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> > > > part of the switch which selects the PA tank
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> > > for a
> > > > particular band, is synced with the front part
> > > which
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> > > > plate). Otherwise you will see no power out
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> > > > --- Robert <kd7aub@y...> wrote:
> > > >
> > > > >
> > > > > Well....yes the AGC switch did take a few of
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> > > > > problems away. I
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> > > > > near the VFO are
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> > > > "If in doubt, MODIFY" --k0zl
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2691. Re: 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:49:36 UTC
From: Robert
Topic: 2660 Message: 2691

I've got a digital camera. I'll try to get in there close enough and
get a shot for you if you want. It's a cheapy camera...but I'll try.

R

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Thanks. Need photo of the coupling inside the PA cage
> but don't have one yet. next rig on bench if I think
> about it, will shoot it and revise the article.
>
> b
>
> --- Robert <kd7aub@y...> wrote:
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> > <coorsbill@y...>
> > wrote:
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> > > --- Robert <kd7aub@y...> wrote:
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> > > > Bill,
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> > > > > > that suggestion which solved the VU/Audio
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2692. Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-04 23:57:12 UTC
From: Robert
Topic: 2692 Message: 2692

Sorry, the camera can't focus on that small of an item.

2693. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 00:52:14 UTC
From: Eric Webner
Topic: 2664 Message: 2693

Regarding Bill's last paragraph:

Then there's those of us who use an antenna fed with 450 ohm ladder line. Too bad the radio's "tuner" can't tune my antenna. I am left with tuning the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!

Eric

Bill K0ZL <coorsbill@...> wrote:
When you change loading, that always causes the plate current to change. It will also slightly change the resonant point of the plate tuning cap, because it all interacts. Think of the tune and load controls as an antenna tuner for the tubes. You are trying to effect a "match" between the tube anode circuit and the antenna for maximum power transfer.

You should see maximum power out with a LOAD setting that will give you about 10-12 percent plate current DIP on the TUNE control. As you rock the tune control back and forth, you may see it up to 260 mills on either side of the dip, and 230 mils on the dip; this is different for each radio and each antenna.

If the dip is too deep, the impedance of the tubes is not matched to the antenna and the plate circuit is said to be "under loaded". Maximum power is not transferred to the load (antenna) from the transmitter. Plate dissipation is increased. Tube life is decreased.

As you advance the LOAD control, the dip becomes less and less deep; past the 10-12 percent mark, when the dip becomes nearly indetectable, the circuit is said to be "over loaded" (more clearly, "overly loaded") and again, the plate circuits are not matched to the antenna impedance. Again, maximum power is not transferred to the load (antenna) from the transmitter. Plate dissipation is again increased, because the circuit is now much less efficient in getting the power generated by the anode circuit out to the load; tube life is decreased.

Don't take long when doing this, and always end the transmission in the "dip" to minimize plate dissipation. Always "play" into dummy load if possible to keep your carrier from interfering with others and

to reduce the effects of SWR on tuning which can
confuse things, when you are learning.

I am able to match my G5RV which has 2:1 swr on all
ham bands, using this method with my Valiant which has
the same type of matching circuit. I don't use a
tuner with any of my tube rigs; the plate tank circuit
is the tuner!

73,

Bill
K0ZL

--- james <leartez2000@...> wrote:

>
> i do beleive that i'm tracking on the tune up except
> for one thing
> in the last part when trying to increase the load
> why adjust the
> plate current as well?
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2694. RE: [TS-520_820_530_830] WTB TS830S IF Board

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 01:06:33 UTC
From: DW
Topic: 2517 Message: 2694

Two points, & apologies for being so late in replying.

First, yes, please do post any problems that you've experienced in your "Kenwood Careers gang. Some of us are still either new to the hobby, or new to HF, or new to old Kenwoods. Your experience, even if embaressing to tell, may well help one or more of us from the same embaressment. I promise, I will not laugh.

Secondly, as someone who is indeed on a fixed disability income, it is very saddening to hear of someone profiteering through lying about the same. The only reason that I have a fine TS-520 is because of a friend from my former club 600 miles away was kind enough to donate his rig to me when he updated. Let's all try to remember that many of us really are in some sort of need, and that a helping hand is truly appreciated. Those who would make a profit through falsehood will truly reap what they sew, ie: What goes around comes around...and it picks up speed on the way back.

Best 73 to all, DW, KE6WYB
--- Brian <turbo@...> wrote:

>
> Indeed.
>
> As in the case of someone a short time ago, claiming
> they REFUSE to use ebay
> "for personal reasons" and wished to obtain an
> "affordable" (on fixed
> income) replacement for their "beloved TS-520" that
> was destroyed in a
> "weather related" catastrophe.
>
> In actuality, that person has a very active account
> on ebay, where he has
> been buying and selling lots of ham radio gear, and
> (at that time) currently
> had up for auction the very same "beloved TS-520" he
> was claiming on this
> list had been destroyed -- and, even using the same
> picture in his ebay
> listings that was posted on his QRZ lookup page!

>
> In reality, I suspect he was trying to play on our
> emotions so that one of
> us would sell him a radio at a 'bargain price', so
> that he could turn around
> and sell it for profit on ebay.
>
> So, yes... please, if you might, and if you have the
> time... do give us the
> details on your long story... ;)
>
> 73 de AI4AI,
> - Brian
>
>
> -----Original Message-----
> From: Brent Baum [mailto:brent.baum@...]
> Sent: Tuesday, October 19, 2004 5:19 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: RE: [TS-520_820_530_830] WTB TS830S IF
> Board
>
>
> Sometimes the long story will help the rest of us
> avoid the same error,
> unless you would rather not.
> 73, K7MEI Brent
>
> -----Original Message-----
> From: akshay daniel [mailto:danielakshay@...]
> Sent: Tuesday, October 19, 2004 2:51 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] WTB TS830S IF Board
>
>
> A pretty long shot, but it neevr hurts to try!
>
> Anyone parting out or having an IF board for the
> TS830S? I am desparately in need of one of these.
> What
> happened to mine is a long story!
>
> Will pay top$ and provide a US Shipping address and
> payment by family in Boston.
>
> 73,
> Ron, 4S7RO
>
>
>

>
> _____
>
>
>
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> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
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>

=====
DW White

KE6WYB, CN80vq

<><God, Country, Corps><>

Semper Fi

AR

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2695. Re: [TS-520_820_530_830] A new to me Kenwood....

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 01:50:42 UTC
From: peter A markavage
Topic: 2675 Message: 2695

There were only 4 or 5 service bulletins issued by Kenwood for the entire life of the 830. None of them were of any major circumstance. Whether any of the changes were added to production sets and some Kenwood physical design engineer decided to use a different colored emblem to distinguish "changes in" vs "changes not in" is just pure speculation. Kenwood tracked their rigs by serial numbers not by the color of an emblem. The only major 830 anomaly was the addition of the 830M which was an 830 with an AM position and a 6 KHz wide filter. Never sold here in the U. S. but the service manual covers both models.

Pete, wa2cwa

On Thu, 4 Nov 2004 09:59:20 -0800 (PST) akshay daniel <danielakshay@...> writes:

Pete, might it indicate a later production batch?
I have seen people touting 830s as "Gold emblem" !
Yeara ago, I had two 830s -- one of each. As yous say,
no dif at all but I do wonder if one was older (or
newer!) than the other?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> There is zero difference between a gold emblem rig
> and any other color
> emblem. If someone tells you there is, it's a myth.
> It's a bogus sales
> pitch used by some sellers.
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 10:46:34 -0600 (GMT-06:00) KD5SFA
> <divenut1@...> writes:
> I just got a TS-830s to sit beside my 520s and
> 700sp.
> Looks like my classic Kenwood collection is
> beginning to grow.
>
> Did they change the color of the Kenwood emblem on
> the 830's ?
> This one has a gold Kenwood emblem but the face and
> everything else what
> I would

> expect as normal.
>
> 73,
> Jon
> KD5SFA

[Non-text portions of this message have been removed]

2696. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 01:31:25 UTC
From: peter A markavage
Topic: 2664 Message: 2696

How many transceivers today can tune open wire ladder line directly?
Pete, wa2cwa

On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner <ka8fan@...>
writes:
Regarding Bill's last paragraph:

Then there's those of us who use an antenna fed with 450 ohm ladder line.
Too bad the radio's "tuner" can't tune my antenna. I am left with tuning
the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!

Eric

Bill K0ZL <coorsbill@...> wrote:
When you change loading, that always causes the plate
current to change. It will also slightly change the
resonant point of the plate tuning cap, because it all
interacts. Think of the tune and load controls as an
antenna tuner for the tubes. You are trying to effect
a "match" between the tube anode circuit and the
antenna for maximum power transfer.

You should see maximum power out with a LOAD setting
that will give you about 10-12 percent plate current
DIP on the TUNE control. As you rock the tune control
back and forth, you may see it up to 260 mills on
either side of the dip, and 230 mils on the dip; this
is different for each radio and each antenna.

If the dip is too deep, the impedance of the tubes is
not matched to the antenna and the plate circuit is
said to be "under loaded". Maximum power is not
transferred to the load (antenna) from the
transmitter. Plate dissipation is increased. Tube life
is decreased.

As you advance the LOAD control, the dip becomes less
and less deep; past the 10-12 percent mark, when the
dip becomes nearly indetectable, the circuit is said
to be "over loaded" (more clearly, "overly loaded")
and again, the plate circuits are not matched to the
antenna impedance. Again, maximum power is not
transferred to the load (antenna) from the
transmitter. Plate dissipation is again increased,
because the circuit is now much less efficient in
getting the power generated by the anode circuit out
to the load; tube life is decreased.

Don't take long when doing this, and always end the transmission in the "dip" to minimize plate dissipation. Always "play" into dummy load if possible to keep your carrier from interfering with others and to reduce the effects of SWR on tuning which can confuse things, when you are learning.

I am able to match my G5RV which has 2:1 swr on all ham bands, using this method with my Valiant which has the same type of matching circuit. I don't use a tuner with any of my tube rigs; the plate tank circuit is the tuner!

73,

Bill
K0ZL

--- james <leartez2000@...> wrote:

>
> i do beleive that i'm tracking on the tune up except
> for one thing
> in the last part when trying to increase the load
> why adjust the
> plate current as well?
>

[Non-text portions of this message have been removed]

2697. Re: TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 02:41:57 UTC
From: n9wb
Topic: 2664 Message: 2697

Try placing a four to one balan in between the balanced line and the antenna.

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> How many transceivers today can tune open wire ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner <ka8fan@y...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I am left with tuning
> the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!
>

2698. Re: TS-520 Feet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 04:29:02 UTC
From: pchapman9202003
Topic: 2663 Message: 2698

You can also cut off a matching piece of dowell rod and use what
else??? Black duct tape, of course!

--- In TS-520_820_530_830@yahoogroups.com, "n9wb" <n9wb@n...> wrote:
>
> I have seen caps for the bottom of walking canes. If the right
size,
> they can slide over the existing feet. Ace hardware has these.
Also
> they have specialized hardware in cardboard drawers by Hillman.
> Round rubber rollers and things.
>
> --- In TS-520_820_530_830@yahoogroups.com, "Raymond Stevens"
> <w2byo@h...> wrote:
> > Hi everyone,
> >
> > I recently purchased a Kenwood TS-520 in good shape. I am
looking
> for a
> > pair of the "extension feet" and screws used to elevate the
front
> of the
> > radio. Anyone have what I am looking for?
> >
> > If so, please email me at: w2byo@h...
> >
> > 73,
> >
> > jRay/W2BYO
> >
> > _____
> > Don't just search. Find. Check out the new MSN Search!
> > http://search.msn.click-url.com/go/onm00200636ave/direct/01/

2699. Re: [TS-520_820_530_830] Re: TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 04:34:28 UTC
From: Eric Webner
Topic: 2664 Message: 2699

I seem to remember that I tried that once, unsucessfully. Perhaps its worth another try, however. I will report back to the group on my results.

Eric

n9wb <n9wb@...> wrote:

Try placing a four to one balan in between the balanced line and the antenna.

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> How many transceivers today can tune open wire ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner <ka8fan@y...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I am left with tuning
> the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!
>

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[Non-text portions of this message have been removed]

2701. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 07:04:31 UTC
From: akshay daniel
Topic: 2664 Message: 2701

Yep, I doubt any new radio can tune balanced line! I
am making a wild guess here, but I doubt the pi tank
in a 520/820/830 can handle anything in excess of 150
ohms unbal?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I
> am left with tuning
> the radio's tuner and the antenna tuner's tuner.
> Argh! Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it
> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on

> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.
>
> If the dip is too deep, the impedance of the tubes
> is
> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.
>
>
> As you advance the LOAD control, the dip becomes
> less
> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all
> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,
>
> Bill
> K0ZL
>

> --- james <leartez2000@...> wrote:
>
> >
> > i do beleive that i'm tracking on the tune up
> except
> > for one thing
> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?
> >
>
> [Non-text portions of this message have been
> removed]
>
>

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2702. Re: [TS-520_820_530_830] Re: TS-520 Feet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 07:09:08 UTC
From: akshay daniel
Topic: 2663 Message: 2702

Can't remember what dia (1" OD?) but I used plain ole
PVC water pipe nicely cut to size (with a pipe cutter)
and black electrician's tape around it.

73 - Ron

--- pchapman9202003 <p_chap@...> wrote:

>
> You can also cut off a matching piece of dowell rod
> and use what
> else??? Black duct tape, of course!
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "n9wb"
> <n9wb@n...> wrote:
> >
> > I have seen caps for the bottom of walking canes.
> If the right
> size,
> > they can slide over the existing feet. Ace
> hardware has these.
> Also
> > they have specialized hardware in cardboard
> drawers by Hillman.
> > Round rubber rollers and things.
> >
> > --- In TS-520_820_530_830@yahoogroups.com,
> "Raymond Stevens"
> > <w2byo@h...> wrote:
> > > Hi everyone,
> > >
> > > I recently purchased a Kenwood TS-520 in good
> shape. I am
> looking
> > for a
> > > pair of the "extension feet" and screws used to
> elevate the
> front
> > of the
> > > radio. Anyone have what I am looking for?
> > >
> > > If so, please email me at: w2byo@h...
> > >
> > > 73,
> > >

> > > jRay/W2BYO
> > >
> > >
>

> > > Don't just search. Find. Check out the new MSN
> Search!
> > >
>
http://search.msn.click-url.com/go/onm00200636ave/direct/01/
>
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2703. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 07:21:29 UTC
From: peter A markavage
Topic: 2664 Message: 2703

That's why I posed the question in response to Eric's statement "Too bad
the radio's "tuner" can't tune my antenna. I am left with tuning the
radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!"

None of the rigs on the market today with built in antenna tuners can
tune open-wire line effectively to achieve maximum radiated power from
the antenna.

Pete, wa2cwa

On Thu, 4 Nov 2004 23:04:31 -0800 (PST) akshay daniel
<danielakshay@...> writes:

Yep, I doubt any new radio can tune balanced line! I
am making a wild guess here, but I doubt the pi tank
in a 520/820/830 can handle anything in excess of 150
ohms unbal?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I
> am left with tuning
> the radio's tuner and the antenna tuner's tuner.
> Argh! Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it

> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on
> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.
>
> If the dip is too deep, the impedance of the tubes
> is
> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.
>
>
> As you advance the LOAD control, the dip becomes
> less
> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all

> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,
>
> Bill
> K0ZL
>
> --- james <leartez2000@...> wrote:
>
> >
> > i do beleive that i'm tracking on the tune up
> except
> > for one thing
> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?
> >
>
> [Non-text portions of this message have been
> removed]
>
>

[Non-text portions of this message have been removed]

2704. Re: [TS-520_820_530_830] Re: TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 07:14:34 UTC
From: peter A markavage
Topic: 2664 Message: 2704

The beauty of an antenna fed with open wire line is that it becomes a multi-band antenna when fed with a antenna tuner. Since Eric has already connected his open wire line to, I'll assume, the two balanced antenna connections on his tuner, he already has a 4 to 1 balun connection made. The tuner tunes out the reactance between the unbalanced section of the balun and the rig as you change from band to band. If you remove the tuner and just use a 4 to 1 balun at the antenna terminals, the input to the balun can be fed with coax. However, you effectively have converted your multi-band antenna to one band cut for some frequency that may or may not resonate in any amateur band. Putting the 4 to 1 balun down at the station is no different than connecting the open wire lines to the back of the tuner and just not adjusting any of the controls. Bottom line is, if you use open wire lines as your feed to the antenna, you need to use an antenna tuner.

If you don't want to use a tuner, then put up dipoles or inverted vee's or some derivation of both, cut for the band or bands you want to operate, and feed them with coax. If you do it correctly, you don't need a tuner.

Pete, wa2cwa

On Fri, 05 Nov 2004 02:41:57 -0000 "n9wb" <n9wb@...> writes:

Try placing a four to one balan in between the balanced line and the antenna.

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> How many transceivers today can tune open wire ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner <ka8fan@y...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I am left with tuning
> the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!
>

[Non-text portions of this message have been removed]

2705. Balanced line and Balun

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 10:02:12 UTC
From: n9wb
Topic: 2705 Message: 2705

With a tube type transmitter that has a matching network such as a pi network, the only difference between the radio itself and the radio with a tuner is that the radio alone cannot handle as wide a range of complex impedance as the tuner.

If the tuner has a 4 to 1 balun built in, it can handle a balanced line within its range of complex impedance's. If a radio has a 4 to 1 balun between it and a balanced line, it can handle a balanced line within its range of complex impedance.

I agree that the likelihood of the impedance being outside the range of the radio and a balun is greater than it would be with a tuner. If the balanced line antenna with the complex impedance divided by 4 would happen to fall with the range of the radio alone, the tuner would not be necessary.

I disagree that this is the same as using the tuner "but not turning the knobs". The inductors and capacitors in the tuner will still be in the circuit set to a random value causing problems.

Of course, if you happen to have a tuner that leaves the balun in line in the bypass position, then you could use the tuner as a stand-alone balun, but most tuners do not work this way.

Just at these transmitters sometimes will load directly into a coax fed antenna that does not have a good match, and sometimes won't, they will also sometimes load into a antenna fed with balanced line through a 4 to 1 balun, and sometimes they won't.

The original goal here was to eliminate the inconvenience of the tuner if possible.

Some bands This may work on some bands and may not on others.

If you need to use the tuner on some bands and not others, put the 4 to 1 balun between the balanced line and the coax input of the tuner. Set the tuner to bypass when you don't need it. Set it for coax input when you do. You will be using your external balun instead of the one in the tuner.

Vy 73, Walt N9WB

2706. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 11:21:21 UTC
From: Kay Groß
Topic: 2666 Message: 2706

Hello Bill,

unfortunately I am not so good in
making lemonade,but if you are interested
in some fotos of the bandswitch I could make some
over the weekend.I think I am right that the TS830S
wich I use here and the TS530SP are identical in this
area.And a foto may help Robert to find out the
right position of the switch.

73 Kay DL5OAQ

2707. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 14:01:27 UTC
From: Paul Manuel
Topic: 2664 Message: 2707

--- Eric Webner <ka8fan@...> wrote:> Regarding Bill's last
paragraph:
> Then there's those of us who use an antenna fed with 450 ohm ladder
> line. Too bad the radio's "tuner" can't tune my antenna. I am left with
> tuning the radio's tuner and the antenna tuner's tuner. Argh! Too many
> knobs!!!!

You might want to experiment a little. I am using a 400-foot-long center
fed Zepp, fed with ladderline, thru a 9:1 balun. My 830 would tune into it
with no problem, as will my amp, as will the autotuner in my 850.
I think the 9:1 ratio makes the difference.
73,
Paul K4PDM

_____
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2708. Re: [TS-520_820_530_830] Re: 530SP Bandswitch

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 15:34:00 UTC
From: Bill K0ZL
Topic: 2660 Message: 2708

Thanks Robert!

b

--- Robert <kd7aub@...> wrote:

>
> I've got a digital camera. I'll try to get in there
> close enough and
> get a shot for you if you want. It's a cheapy
> camera...but I'll try.
>
> R
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > Thanks. Need photo of the coupling inside the PA
> cage
> > but don't have one yet. next rig on bench if I
> think
> > about it, will shoot it and revise the article.
> >
> > b
> >
> > --- Robert <kd7aub@y...> wrote:
> >
> > >
> > > Thanks Much Bill....Excellent info!
> > >
> > > R
> > >
> > >
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> > > <coorsbill@y...>
> > > wrote:
> > > > Login to the group and go to FILES, then
> REPAIR
> > > TEXTS
> > > > and download the PDF I just made
> > >
> > > b
> > >

> > > > --- Robert <kd7aub@y...> wrote:
> > > >
> > > > >
> > > > > Bill,
> > > > >
> > > > > I opened up the cage and removed a
> > > 6146B(frontside)
> > > > > and can easily
> > > > > see that the white connecter immediately
> inside
> > > the
> > > > > cage is broken.
> > > > > So nothing is being selected in the tank
> > > circuit,
> > > > > evidently. It looks
> > > > > like it would be pretty difficult to get to
> the
> > > part
> > > > > that's
> > > > > broken...??
> > > > >
> > > > > Thanks,
> > > > >
> > > > > Robert
> > > > >
> > > > >
> > > > > --- In TS-520_820_530_830@yahoogroups.com,
> Bill
> > > K0ZL
> > > > > <coorsbill@y...>
> > > > > wrote:
> > > > > > OK Robert
> > > > > > Look at the coupling from the bandswitch
> shaft
> > > > > leading
> > > > > > into the PA cage. It may be loose, or
> broken.
> > > > >
> > > > > > You will need some way of making sure that
> the
> > > > > rear
> > > > > > part of the switch which selects the PA
> tank
> > > tap
> > > > > for a
> > > > > > particular band, is synced with the front
> part
> > > > > which
> > > > > > does everything else (RF amp, driver grid,
> > > driver

> > > > > > plate). Otherwise you will see no power
> out
> > > and
> > > > > the
> > > > > > tank ckt will not dip on the right band.
> > > > > > >
> > > > > > b
> > > > > > >
> > > > > > --- Robert <kd7aub@y...> wrote:
> > > > > > >
> > > > > > > >
> > > > > > > > Well....yes the AGC switch did take a
> few of
> > > the
> > > > > > > > problems away. I
> > > > > > > > used to have an 830 briefly and the AGC
> did
> > > not
> > > > > > work
> > > > > > > > like this one.
> > > > > > > > It must have been faulty, or the 830 is
> > > > > different.
> > > > > > > > But I did find
> > > > > > > > this out late last night as I switched
> > > around.
> > > > > > So
> > > > > > > > thank very much for
> > > > > > > > that suggestion which solved the
> VU/Audio
> > > > > overdrive
> > > > > > > > problem. You
> > > > > > > > guy's are on it quickly!
> > > > > > > > The bandswitch, VU light and a loose
> blue
> > > wire
> > > > > > down
> > > > > > > > near the VFO are
> > > > > > > > my only concerns now. I just got in from
> > > work
> > > > > > and as
> > > > > > > > I was reading
> > > > > > > > through all of your emails I think I've
> > > decided
> > > > > > to
> > > > > > > > just fix these
> > > > > > > > problems and live with this particular
> > > > > gentleman's
> > > > > > > > inaccuracies.
> > > > > > > > I think I need to fix the bandswitch
> > > first...to

> > > > > be
> > > > > > > sure I can check
> > > > > > > out the tx power output.
> > > > > > > Thank you all for the quick response and
> > > > > excellent
> > > > > > > suggestions. I'll
> > > > > > > reread them now.
> > > > > > >
> > > > > > > Robert
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > > --- In
> TS-520_820_530_830@yahoogroups.com,
> > > > > > > g4jbr@n... wrote:
> > > > > > > > hi just a thought but quite a few of
> the
> > > > > symptoms
> > > > > > > mentioned (other
> > > > > > > than bandswitch) could just be AGC
> switch
> > > off?
> > > > > > > > pete g4jbr
> > > > > > > >>
> > > > > > > >
> > > > > > >
> > > > > > > >
> > > > > > > >
> > > > > > >
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>

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> today
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> > > >
> http://channels.netscape.com/ns/search/install.jsp
> > > > > > >
> > > > > > > >
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"If in doubt, MODIFY" --k0zl

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2709. Re: [TS-520_820_530_830] Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 15:34:20 UTC
From: Bill K0ZL
Topic: 2692 Message: 2709

No prob.

Will get one here sooner or later

b

--- Robert <kd7aub@...> wrote:

>
> Sorry, the camera can't focus on that small of an
> item.
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2710. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 16:13:05 UTC
From: Bill K0ZL
Topic: 2664 Message: 2710

I would try a 9:1 balun and see if you can work into
your antenna without a tuner.

b

--- Eric Webner <ka8fan@...> wrote:

> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line. Too bad the radio's "tuner"
> can't tune my antenna. I am left with tuning the
> radio's tuner and the antenna tuner's tuner. Argh!
> Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it
> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on
> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.
>
> If the dip is too deep, the impedance of the tubes
> is
> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.

>
>
> As you advance the LOAD control, the dip becomes
> less
> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all
> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,
>
> Bill
> K0ZL
>
> --- james <leartez2000@...> wrote:
>
> >
> > i do beleive that i'm tracking on the tune up
> except
> > for one thing
> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?
> >
> >
> >

> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2711. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 16:15:05 UTC
From: Bill K0ZL
Topic: 2664 Message: 2711

None, if you want to keep your lips and fingers from
being burned!

b

--- peter A markavage <pmarkavage@...> wrote:

> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I
> am left with tuning
> the radio's tuner and the antenna tuner's tuner.
> Argh! Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it
> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on
> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.

>
> If the dip is too deep, the impedance of the tubes
> is
> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.
>
>
> As you advance the LOAD control, the dip becomes
> less
> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all
> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,
>
> Bill
> K0ZL
>
> --- james <leartez2000@...> wrote:
>
> >

> > i do beleive that i'm tracking on the tune up
> except
> > for one thing
> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?
> >
>
> [Non-text portions of this message have been
> removed]
>
>

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"If in doubt, MODIFY" --k0zl

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2712. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 23:48:07 UTC
From: Eric Webner
Topic: 2664 Message: 2712

My balun is a homebrew, 4:1 or 9:1 balun made with stacked toroids and some pretty hefty wire. Should handle any voltages that a 100-watt radio might generate.

Eric

Bill K0ZL <coorsbill@...> wrote:
I would try a 9:1 balun and see if you can work into
your antenna without a tuner.

b

--- Eric Webner <ka8fan@...> wrote:

> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line. Too bad the radio's "tuner"
> can't tune my antenna. I am left with tuning the
> radio's tuner and the antenna tuner's tuner. Argh!
> Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it
> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on
> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.
>
> If the dip is too deep, the impedance of the tubes
> is

> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.
>
>
> As you advance the LOAD control, the dip becomes
> less
> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all
> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,
>
> Bill
> K0ZL
>
> --- james <leartez2000@...> wrote:
>
> >
> > i do beleive that i'm tracking on the tune up
> except
> > for one thing

> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
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2713. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-05 23:51:58 UTC
From: Eric Webner
Topic: 2664 Message: 2713

As indicated in another reply to this thread, I can do 9:1!!!!! If I can find the darn thing (we moved from Ohio 4 months ago), I'll try it out this weekend and let you know how it works.

Eric

Paul Manuel <k4pdm@...> wrote:

--- Eric Webner <ka8fan@...> wrote:> Regarding Bill's last
paragraph:
> Then there's those of us who use an antenna fed with 450 ohm ladder
> line. Too bad the radio's "tuner" can't tune my antenna. I am left with
> tuning the radio's tuner and the antenna tuner's tuner. Argh! Too many
> knobs!!!!

You might want to experiment a little. I am using a 400-foot-long center fed Zepp, fed with ladderline, thru a 9:1 balun. My 830 would tune into it with no problem, as will my amp, as will the autotuner in my 850.
I think the 9:1 ratio makes the difference.
73,
Paul K4PDM

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2714. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 00:06:18 UTC
From: Eric Webner
Topic: 2664 Message: 2714

I would be interested in knowing how it was done "way back when." In the '30s, '40s and '50s guys did they generally use antenna tuners, or just their transmitters?

My first rig (back in 1979) was a Johnson Viking Ranger, single 6146 final, fantastic pi-network (akin to Johnson's Matchbox) and I expect it could load about anything.

I have used balanced-fed antennas for many years. For multiband work and effectiveness, they just make sense. But can I reduce the time it takes to tune up on frequency?

73,

Eric

peter A markavage <pmarkavage@...> wrote:
That's why I posed the question in response to Eric's statement "Too bad the radio's "tuner" can't tune my antenna. I am left with tuning the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!"

None of the rigs on the market today with built in antenna tuners can tune open-wire line effectively to achieve maximum radiated power from the antenna.

Pete, wa2cwa

On Thu, 4 Nov 2004 23:04:31 -0800 (PST) akshay daniel <danielakshay@...> writes:

Yep, I doubt any new radio can tune balanced line! I am making a wild guess here, but I doubt the pi tank in a 520/820/830 can handle anything in excess of 150 ohms unbal?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
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> 450 ohm ladder line.
> Too bad the radio's "tuner" can't tune my antenna. I
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> If the dip is too deep, the impedance of the tubes
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> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out

> to the load; tube life is decreased.
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>
> Bill
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> --- james <leartez2000@...> wrote:
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[Non-text portions of this message have been removed]

2715. RE: [TS-520_820_530_830] Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 02:23:15 UTC
From: Walter Milton
Topic: 2692 Message: 2715

Would the inside shoot of a TS-830S help? I have a digital camera that can get in close.

Walt, KA2NJF
-----Original Message-----
From: Robert [mailto:kd7aub@...]
Sent: Thursday, November 04, 2004 6:57 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Photo

Sorry, the camera can't focus on that small of an item.

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[Non-text portions of this message have been removed]

2716. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 02:27:55 UTC
From: Bill K0ZL
Topic: 2664 Message: 2716

25 to 150 ohms is not out of the question.

b

--- akshay daniel <danielakshay@...> wrote:

>
> Yep, I doubt any new radio can tune balanced line! I
> am making a wild guess here, but I doubt the pi tank
> in a 520/820/830 can handle anything in excess of
> 150
> ohms unbal?
>
> 73,
> Ron
>
> --- peter A markavage <pmarkavage@...> wrote:
>
> > How many transceivers today can tune open wire
> > ladder line directly?
> > Pete, wa2cwa
> > >
> > >
> > On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric
> Webner
> > <ka8fan@...>
> > writes:
> > Regarding Bill's last paragraph:
> > >
> > Then there's those of us who use an antenna fed
> with
> > 450 ohm ladder line.
> > Too bad the radio's "tuner" can't tune my antenna.
> I
> > am left with tuning
> > the radio's tuner and the antenna tuner's tuner.
> > Argh! Too many knobs!!!!
> > >
> > Eric
> > >
> > Bill K0ZL <coorsbill@...> wrote:
> > When you change loading, that always causes the
> > plate
> > current to change. It will also slightly change
> the
> > resonant point of the plate tuning cap, because it

> > all
> > interacts. Think of the tune and load controls as
> an
> > antenna tuner for the tubes. You are trying to
> > effect
> > a "match" between the tube anode circuit and the
> > antenna for maximum power transfer.
> >
> > You should see maximum power out with a LOAD
> setting
> > that will give you about 10-12 percent plate
> current
> > DIP on the TUNE control. As you rock the tune
> > control
> > back and forth, you may see it up to 260 mills on
> > either side of the dip, and 230 mils on the dip;
> > this
> > is different for each radio and each antenna.
> >
> > If the dip is too deep, the impedance of the tubes
> > is
> > not matched to the antenna and the plate circuit
> is
> > said to be "under loaded". Maximum power is not
> > transferred to the load (antenna) from the
> > transmitter. Plate dissipation is increased. Tube
> > life
> > is decreased.
> >
> >
> > As you advance the LOAD control, the dip becomes
> > less
> > and less deep; past the 10-12 percent mark, when
> the
> > dip becomes nearly indetectable, the circuit is
> said
> > to be "over loaded" (more clearly, "overly
> loaded")
> > and again, the plate circuits are not matched to
> the
> > antenna impedance. Again, maximum power is not
> > transferred to the load (antenna) from the
> > transmitter. Plate dissipation is again increased,
> > because the circuit is now much less efficient in
> > getting the power generated by the anode circuit
> out
> > to the load; tube life is decreased.
> >
> >
> > Don't take long when doing this, and always end

> the
> > transmission in the "dip" to minimize plate
> > dissipation. Always "play" into dummy load if
> > possible
> > to keep your carrier from interfering with others
> > and
> > to reduce the effects of SWR on tuning which can
> > confuse things, when you are learning.
> >
> > I am able to match my G5RV which has 2:1 swr on
> all
> > ham bands, using this method with my Valiant which
> > has
> > the same type of matching circuit. I don't use a
> > tuner with any of my tube rigs; the plate tank
> > circuit
> > is the tuner!
> >
> > 73,
> >
> > Bill
> > K0ZL
> >
> > --- james <leartez2000@...> wrote:
> >
> > >
> > > i do beleive that i'm tracking on the tune up
> > except
> > > for one thing
> > > in the last part when trying to increase the
> load
> > > why adjust the
> > > plate current as well?
> > >
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
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>
> _____
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>

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"If in doubt, MODIFY" --k0zl

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2717. Re: [TS-520_820_530_830] Re: TS530SP HELP!!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 02:36:26 UTC
From: Bill K0ZL
Topic: 2666 Message: 2717

Thanks to Kay and all,

Jose EA4YD sent me an excellent photo which I will use
to update the document and re-post it tomorrow.

73!

Bill K0ZL

--- Kay Gro? <kaygross@...> wrote:

> Hello Bill,
>
> unfortunately I am not so good in
> making lemonade,but if you are interested
> in some fotos of the bandswitch I could make some
> over the weekend.I think I am right that the TS830S
> wich I use here and the TS530SP are identical in
> this
> area.And a foto may help Robert to find out the
> right position of the switch.
>
> 73 Kay DL5OAQ
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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2718. New file uploaded to TS-520_820_530_830

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 03:08:05 UTC
From: TS-520_820_530_830@yahoogroups.com
Topic: 262 Message: 2718

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the TS-520_820_530_830
group.

File : /REPAIR TEXTS/TS-530-820-830 FLEX BANDSWITCH COUPLING REPL.pdf
Uploaded by : k0zl <coorsbill@...>
Description : Bandswitch coupling change procedure

You can access this file at the URL:
http://groups.yahoo.com/group/TS-520_820_530_830/files/REPAIR%20TEXTS/TS-530-820-830%20FLEX%20BANDSWITCH%20COUPLING%20REPL.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

k0zl <coorsbill@...>

2720. Re: [TS-520_820_530_830] Balanced line and Balun

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 07:34:49 UTC
From: peter A markavage
Topic: 2705 Message: 2720

On Fri, 05 Nov 2004 10:02:12 -0000 "n9wb" <n9wb@...> writes:
I disagree that this is the same as using the tuner "but not turning the knobs". The inductors and capacitors in the tuner will still be in the circuit set to a random value causing problems.
Vy 73, Walt N9WB

You are correct. I guess I was just trying to describe a radical generalization.

Pete, wa2cwa

[Non-text portions of this message have been removed]

2721. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 07:35:08 UTC
From: peter A markavage
Topic: 2664 Message: 2721

Just remember the input side (looking at the transmitter output)
impedance should be fairly constant over the frequencies of interest.
Bumps here will generate heat and standing waves back to the transmitter.
The output side (balanced side) should have equal currents and 180
degrees out of phase with each other.

Pete, wa2cwa

On Fri, 5 Nov 2004 15:48:07 -0800 (PST) Eric Webner <ka8fan@...>
writes:
My balun is a homebrew, 4:1 or 9:1 balun made with stacked toroids and
some pretty hefty wire. Should handle any voltages that a 100-watt radio
might generate.

Eric

Bill K0ZL <coorsbill@...> wrote:
I would try a 9:1 balun and see if you can work into
your antenna without a tuner.

b

--- Eric Webner <ka8fan@...> wrote:

> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line. Too bad the radio's "tuner"
> can't tune my antenna. I am left with tuning the
> radio's tuner and the antenna tuner's tuner. Argh!
> Too many knobs!!!!
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> When you change loading, that always causes the
> plate
> current to change. It will also slightly change the
> resonant point of the plate tuning cap, because it
> all
> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
> effect
> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.
>
> You should see maximum power out with a LOAD setting

> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
> control
> back and forth, you may see it up to 260 mills on
> either side of the dip, and 230 mils on the dip;
> this
> is different for each radio and each antenna.
>
> If the dip is too deep, the impedance of the tubes
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> not matched to the antenna and the plate circuit is
> said to be "under loaded". Maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is increased. Tube
> life
> is decreased.
>
>
> As you advance the LOAD control, the dip becomes
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> and less deep; past the 10-12 percent mark, when the
> dip becomes nearly indetectable, the circuit is said
> to be "over loaded" (more clearly, "overly loaded")
> and again, the plate circuits are not matched to the
> antenna impedance. Again, maximum power is not
> transferred to the load (antenna) from the
> transmitter. Plate dissipation is again increased,
> because the circuit is now much less efficient in
> getting the power generated by the anode circuit out
> to the load; tube life is decreased.
>
>
> Don't take long when doing this, and always end the
> transmission in the "dip" to minimize plate
> dissipation. Always "play" into dummy load if
> possible
> to keep your carrier from interfering with others
> and
> to reduce the effects of SWR on tuning which can
> confuse things, when you are learning.
>
> I am able to match my G5RV which has 2:1 swr on all
> ham bands, using this method with my Valiant which
> has
> the same type of matching circuit. I don't use a
> tuner with any of my tube rigs; the plate tank
> circuit
> is the tuner!
>
> 73,

>
> Bill
> K0ZL
>
> --- james <leartez2000@...> wrote:
>
> >
> > i do beleive that i'm tracking on the tune up
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> > for one thing
> > in the last part when trying to increase the load
> > why adjust the
> > plate current as well?

[Non-text portions of this message have been removed]

2722. Re: [TS-520_820_530_830] TS-520S tune, more info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 07:34:32 UTC
From: peter A markavage
Topic: 2722 Message: 2722

Way back when, many transmitter outputs used link coupling. Simply, there was a link facing the output tubes and an identical coil on each side of the link. The identical coils had taps on them and each side of your balanced line would connect to one of the taps. Each balanced line normally had an RF ammeter in series with it and you would manually connect to the taps until you got maximum and identical output in each RF ammeter. Along with the tap adjusting, you also had at least two variable capacitors, one generally a split-stator type, to resonate the final tank circuit for maximum power output.

Your correct. The Ranger had a pi-network output and claimed 50 to 500 ohms output impedance. However, for balanced line type feeders, they recommended their Matchbox. The Matchbox was not a pi-network tuner and bears no similarity to the Ranger output circuitry. The Matchbox circuitry consisted of a inductive parallel resonant network, coaxial wound coupling link, a dual tuning capacitor, and a dual differential matching capacitor.

To reduce time in tuning the rig and tuner for your various bands of interest, make a tuning chart. Do the tuning and band to band setup for maximum power output and minimum SWR and record the various knob settings on a chart. The next time you don't have to diddle with every knob. Just return the various knobs to what you recorded on the chart for the band that you want to operate on.

Pete, wa2cwa

On Fri, 5 Nov 2004 16:06:18 -0800 (PST) Eric Webner <ka8fan@...>
writes:
I would be interested in knowing how it was done "way back when." In the '30s, '40s and '50s guys did they generally use antenna tuners, or just their transmitters?

My first rig (back in 1979) was a Johnson Viking Ranger, single 6146 final, fantastic pi-network (akin to Johnson's Matchbox) and I expect it could load about anything.

I have used balanced-fed antennas for many years. For multiband work and effectiveness, they just make sense. But can I reduce the time it takes to tune up on frequency?

73,

Eric

peter A markavage <pmarkavage@...> wrote:
That's why I posed the question in response to Eric's statement "Too bad

the radio's "tuner" can't tune my antenna. I am left with tuning the
radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!"

None of the rigs on the market today with built in antenna tuners can
tune open-wire line effectively to achieve maximum radiated power from
the antenna.

Pete, wa2cwa

On Thu, 4 Nov 2004 23:04:31 -0800 (PST) akshay daniel
<danielakshay@...> writes:

Yep, I doubt any new radio can tune balanced line! I
am making a wild guess here, but I doubt the pi tank
in a 520/820/830 can handle anything in excess of 150
ohms unbal?

73,
Ron

--- peter A markavage <pmarkavage@...> wrote:

> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
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> Too bad the radio's "tuner" can't tune my antenna. I
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> Argh! Too many knobs!!!!
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> Eric
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> Bill K0ZL <coorsbill@...> wrote:
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> interacts. Think of the tune and load controls as an
> antenna tuner for the tubes. You are trying to
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> a "match" between the tube anode circuit and the
> antenna for maximum power transfer.

>
> You should see maximum power out with a LOAD setting
> that will give you about 10-12 percent plate current
> DIP on the TUNE control. As you rock the tune
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> either side of the dip, and 230 mils on the dip;
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> Don't take long when doing this, and always end the
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> --- james <leartez2000@...> wrote:
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> > plate current as well?
> >

[Non-text portions of this message have been removed]

2723. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 11:58:41 UTC
From: Bill K0ZL
Topic: 2664 Message: 2723

What design or wiring diagram did you use, Eric?

thanks

b

--- Eric Webner <ka8fan@...> wrote:

> My balun is a homebrew, 4:1 or 9:1 balun made with
> stacked toroids and some pretty hefty wire. Should
> handle any voltages that a 100-watt radio might
> generate.
>
> Eric
>
> Bill K0ZL <coorsbill@...> wrote:
> I would try a 9:1 balun and see if you can work into
> your antenna without a tuner.
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> > >
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> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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"If in doubt, MODIFY" --k0zl

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2724. Re: [TS-520_820_530_830] TS-520S tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 12:02:38 UTC
From: Bill K0ZL
Topic: 2664 Message: 2724

The Johnson Matchbox was about the best store-bought solution to the single or balanced wire feed. I had one and it tuned up pretty quickly.

There are a couple of balanced wire tuners on the market today that are based on that same design, if you have the budget for them.

The older transmitters used what is called "link coupling"... you would position a couple-turn link coil in the axis of the plate tank coil, ideally right in the middle of it (the tank coil would be wound with a gap in the middle for the link coil to fit). You would then vary the loading with the position of the link coil relative to the tank coil.

Selecting balanced or single wire feed was then simply a matter of grounding one end of the link coil, or not.

The disadvantage to the link coil design is that it was not a low-pass filter, as is the pi-network; that is why the popular pi-network supplanted link-coil design. Pi-networks were also less expensive to manufacture. Also pi-networks are much smaller than the typical link-coil arrangement.

bill
--- Eric Webner <ka8fan@...> wrote:

> I would be interested in knowing how it was done
> "way back when." In the '30s, '40s and '50s guys did
> they generally use antenna tuners, or just their
> transmitters?
>
> My first rig (back in 1979) was a Johnson Viking
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> on frequency?
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> 73,

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> Eric
>
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> peter A markavage <pmarkavage@...> wrote:
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> Eric's statement "Too bad
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> antenna tuners can
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>
>
> On Thu, 4 Nov 2004 23:04:31 -0800 (PST) akshay
> daniel
> <danielakshay@...> writes:
>
> Yep, I doubt any new radio can tune balanced line! I
> am making a wild guess here, but I doubt the pi tank
> in a 520/820/830 can handle anything in excess of
> 150
> ohms unbal?
>
> 73,
> Ron
>
> --- peter A markavage <pmarkavage@...> wrote:
>
> > How many transceivers today can tune open wire
> > ladder line directly?
> > Pete, wa2cwa
> >
> >
> > On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric
> Webner
> > <ka8fan@...>
> > writes:
> > Regarding Bill's last paragraph:
> >
> > Then there's those of us who use an antenna fed
> with

> > 450 ohm ladder line.
> > Too bad the radio's "tuner" can't tune my antenna.
> I
> > am left with tuning
> > the radio's tuner and the antenna tuner's tuner.
> > Argh! Too many knobs!!!!
> >
> > Eric
> >
> > Bill K0ZL <coorsbill@...> wrote:
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> > current to change. It will also slightly change
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> > resonant point of the plate tuning cap, because it
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> > interacts. Think of the tune and load controls as
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> > antenna tuner for the tubes. You are trying to
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> > a "match" between the tube anode circuit and the
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> > that will give you about 10-12 percent plate
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> > back and forth, you may see it up to 260 mills on
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> > this
> > is different for each radio and each antenna.
> >
> > If the dip is too deep, the impedance of the tubes
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> > said to be "under loaded". Maximum power is not
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> > transmitter. Plate dissipation is increased. Tube
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> > As you advance the LOAD control, the dip becomes
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> > and less deep; past the 10-12 percent mark, when
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> loaded")
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> > transmitter. Plate dissipation is again increased,
> > because the circuit is now much less efficient in
> > getting the power generated by the anode circuit
> out
> > to the load; tube life is decreased.
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> > Don't take long when doing this, and always end
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> > transmission in the "dip" to minimize plate
> > dissipation. Always "play" into dummy load if
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> > to keep your carrier from interfering with others
> > and
> > to reduce the effects of SWR on tuning which can
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> > I am able to match my G5RV which has 2:1 swr on
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> > the same type of matching circuit. I don't use a
> > tuner with any of my tube rigs; the plate tank
> > circuit
> > is the tuner!
> >
> > 73,
> >
> > Bill
> > K0ZL
> >
> > --- james <leartez2000@...> wrote:
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> > >
> > > i do beleive that i'm tracking on the tune up
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> > > for one thing
> > > in the last part when trying to increase the
> load
> > > why adjust the
> > > plate current as well?
> > >
> >

> > [Non-text portions of this message have been
> > removed]
> >
> >
>
> [Non-text portions of this message have been
> removed]
>
>
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>
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>
> [Non-text portions of this message have been
> removed]
>
>
=== message truncated ===

=====

"If in doubt, MODIFY" --k0zl

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_____
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2725. flames...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 12:30:54 UTC
From: Bill
Topic: 2725 Message: 2725

I apologize to the group for the latest exchanges of flames and blames.

Those involved have been put on "moderate" status. All off-topic posts involved have been deleted from the archives.

Thank you for your understanding and cooperation.

73,

Bill K0ZL

2726. Re: [TS-520_820_530_830] TS-520S tune, more info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 13:59:10 UTC
From: Eric Webner
Topic: 2722 Message: 2726

Thanks, Pete, lots of good information here.

By your remarks, I was under an incorrect impression that the Johnson transmitter and tuner shared a similar circuit. Guess it makes sense, because two pi-nets would be redundant.

Anyway, this is getting away from the focus of the group. I suppose my interest is in using the Kenwoods that we love so much, but have them be simple to operate, like the newer rigs.

Eric

peter A markavage <pmarkavage@...> wrote:
Way back when, many transmitter outputs used link coupling. Simply, there was a link facing the output tubes and an identical coil on each side of the link. The identical coils had taps on them and each side of your balanced line would connect to one of the taps. Each balanced line normally had an RF ammeter in series with it and you would manually connect to the taps until you got maximum and identical output in each RF ammeter. Along with the tap adjusting, you also had at least two variable capacitors, one generally a split-stator type, to resonate the final tank circuit for maximum power output.

Your correct. The Ranger had a pi-network output and claimed 50 to 500 ohms output impedance. However, for balanced line type feeders, they recommended their Matchbox. The Matchbox was not a pi-network tuner and bears no similarity to the Ranger output circuitry. The Matchbox circuitry consisted of a inductive parallel resonant network, coaxial wound coupling link, a dual tuning capacitor, and a dual differential matching capacitor.

To reduce time in tuning the rig and tuner for your various bands of interest, make a tuning chart. Do the tuning and band to band setup for maximum power output and minimum SWR and record the various knob settings on a chart. The next time you don't have to diddle with every knob. Just return the various knobs to what you recorded on the chart for the band that you want to operate on.

Pete, wa2cwa

On Fri, 5 Nov 2004 16:06:18 -0800 (PST) Eric Webner <ka8fan@...>
writes:
I would be interested in knowing how it was done "way back when." In the '30s, '40s and '50s guys did they generally use antenna tuners, or just their transmitters?

My first rig (back in 1979) was a Johnson Viking Ranger, single 6146 final, fantastic pi-network (akin to Johnson's Matchbox) and I expect it could load about anything.

I have used balanced-fed antennas for many years. For multiband work and effectiveness, they just make sense. But can I reduce the time it takes to tune up on frequency?

73,

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peter A markavage <pmarkavage@...> wrote:
That's why I posed the question in response to Eric's statement "Too bad the radio's "tuner" can't tune my antenna. I am left with tuning the radio's tuner and the antenna tuner's tuner. Argh! Too many knobs!!!!"

None of the rigs on the market today with built in antenna tuners can tune open-wire line effectively to achieve maximum radiated power from the antenna.

Pete, wa2cwa

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Yep, I doubt any new radio can tune balanced line! I am making a wild guess here, but I doubt the pi tank in a 520/820/830 can handle anything in excess of 150 ohms unbal?

73,
Ron

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> How many transceivers today can tune open wire
> ladder line directly?
> Pete, wa2cwa
>
>
> On Thu, 4 Nov 2004 16:52:14 -0800 (PST) Eric Webner
> <ka8fan@...>
> writes:
> Regarding Bill's last paragraph:
>
> Then there's those of us who use an antenna fed with
> 450 ohm ladder line.
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[Non-text portions of this message have been removed]

2727. Re: [TS-520_820_530_830] flames...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 15:44:18 UTC
From: peter A markavage
Topic: 2725 Message: 2727

Darn Bill:
Must have missed all this "good" stuff.
Pete, wa2cwa

On Sat, 06 Nov 2004 12:30:54 -0000 "Bill" <coorsbill@...> writes:

I apologize to the group for the latest exchanges of flames and
blames.

Those involved have been put on "moderate" status. All off-topic
posts involved have been deleted from the archives.

Thank you for your understanding and cooperation.

73,

Bill K0ZL

[Non-text portions of this message have been removed]

2728. Re: [TS-520_820_530_830] TS-520S tune, more info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 15:42:07 UTC
From: peter A markavage
Topic: 2722 Message: 2728

The bottom line here is that these rigs 520, 820, 530, 830, 599 Twins, etc. are real work horses. With their pi-network design, they can be made to work with a wide variety of antenna designs and feeds, and perform very well. My Twins and 830 have been perking along for about the last 25 years with a minimal amount of maintenance and still perform very well. The Twins are one of my favorite AM rigs.

Pete, wa2cwa

On Sat, 6 Nov 2004 05:59:10 -0800 (PST) Eric Webner <ka8fan@...> writes:
Thanks, Pete, lots of good information here.

By your remarks, I was under an incorrect impression that the Johnson transmitter and tuner shared a similar circuit. Guess it makes sense, because two pi-nets would be redundant.

Anyway, this is getting away from the focus of the group. I suppose my interest is in using the Kenwoods that we love so much, but have them be simple to operate, like the newer rigs.

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Ron

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> Bill
> K0ZL
>
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> > why adjust the
> > plate current as well?
> >

[Non-text portions of this message have been removed]

2729. New File/Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 16:11:47 UTC
From: Robert
Topic: 2729 Message: 2729

Thanks guy's. That's exactly my problem. It's the piezo partido thats broken!
I'm ordering one from pacparts.com...$9.95 + $4.75(for reg mail{hmm}).

Now to figure out how to get to the part...

Robert

2730. Newbe out of tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 16:46:08 UTC
From: tetrodehead
Topic: 2730 Message: 2730

WHEN it arrives, my TS-820s will be connected via 50ohm coax to a resonant half-wave dipole.

Will the Tx still see 50ohms looking into the coax if the dipole has reactance(?) caused by coupling to adjacent structures? (like only 20' off the ground with a steel-reinforced concrete pylon at one end)

Will the dipole Z still be 50 but not purely resistive or will the Z be different?

Will the Tx see only the coax Z, or the Z of the coax/dipole comination or just the dipole Z?

Apart from matching Tx to coax, can a 'tuner' tune-out antenna problems at the coax/dipole end?

2731. Re: [TS-520_820_530_830] flames...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 20:36:32 UTC
From: Jack Twilley
Topic: 2725 Message: 2731

Bill wrote:
>
> I apologize to the group for the latest exchanges of flames and
> blames.
>
> Those involved have been put on "moderate" status. All off-topic
> posts involved have been deleted from the archives.
>
> Thank you for your understanding and cooperation.
>
> 73,
>
> Bill K0ZL

And here my first response was to open the message to hear what happened to your poor radio that caused fire to come out of it!

Your moderation is such that I hardly notice it, and frankly, that's the way I like it. Thanks for all your hard work and keep it up!

Jack.

2732. TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 17:00:40 UTC
From: dr7zyq
Topic: 2732 Message: 2732

My TS-530SP was operating like a champ and then!! The high voltage has plummeted to around 600 and it won't transmit properly.

Any ideas?

Thanks,

David, WA7ZYQ

2733. Re: [TS-520_820_530_830] New File/Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 21:46:05 UTC
From: Bill K0ZL
Topic: 2729 Message: 2733

Yeah I thought I would leave the Spanish description
in there, tilt of the hat to Jose and his photo
editing skills. Hey, we be international, eh?

bill

--- Robert <kd7aub@...> wrote:

>
> Thanks guy's. That's exactly my problem. It's the
> piezo partido thats
> broken!
> I'm ordering one from pacparts.com...$9.95 +
> $4.75(for reg mail{hmm}).
>
> Now to figure out how to get to the part...
>
> Robert
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2734. Re: [TS-520_820_530_830] Newbe out of tune

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 21:49:36 UTC
From: Bill K0ZL
Topic: 2730 Message: 2734

Flat dipole in space is about 73 ohms...

Inverted vee gets ya closer to 50 ohms.

Closer to the ground? dunno

b

--- tetrodehead <dave.crooks@...> wrote:

>
> WHEN it arrives, my TS-820s will be connected via
> 50ohm coax to a
> resonant half-wave dipole.
>
> Will the Tx still see 50ohms looking into the coax
> if the dipole has
> reactance(?) caused by coupling to adjacent
> structures? (like only
> 20' off the ground with a steel-reinforced concrete
> pylon at one end)
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"If in doubt, MODIFY" --k0zl

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2735. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 21:51:47 UTC
From: Bill K0ZL
Topic: 2732 Message: 2735

If one of the high voltage caps fails, typically you
will see 1/2 of the normal plate voltage or about 430
volts. And a lot of hummmmmmm.. guys will complain
that your audio is distorted and you will only get
about 30 watts out.

When you say it "won't transmit properly", what
exactly do you mean? Describe.

b

--- dr7zyq <dr7zyq@...> wrote:

>
> My TS-530SP was operating like a champ and then!!
> The high voltage
> has plummeted to around 600 and it won't transmit
> properly.
>
> Any ideas?
>
> Thanks,
>
> David, WA7ZYQ
>
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2736. Re: [TS-520_820_530_830] flames...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-06 21:53:18 UTC
From: Bill K0ZL
Topic: 2725 Message: 2736

Thanks Jack. 'Tis a fine group and quite worth the
effort.

73,

Bill

--- Jack Twilley <jmt@...> wrote:

> Bill wrote:
> >
> > I apologize to the group for the latest exchanges
> of flames and
> > blames.
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> > Those involved have been put on "moderate" status.
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> And here my first response was to open the message
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> Your moderation is such that I hardly notice it, and
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> Jack.
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2737. RE: [TS-520_820_530_830] Hello to the group

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-07 02:36:27 UTC
From: Steve Phillips
Topic: 2545 Message: 2737

I just saw you response now.

Sorry about that.

I really like the rig. The receive is really nice and I like the receive audio.

I guess the only down side is the lack of 12,17 and 30 meters

Steve
VA3SPX

-----Original Message-----
From: Dave & Loraine [mailto:dave.crooks@...]
Sent: October 25, 2004 11:14 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] Hello to the group

Hi Steve,
Me too!
Mine will arrive just before Xmas so I'll be busy with an 80m halfwave dipole.
Cheers
Dave

Yahoo! Groups Links

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.692 / Virus Database: 453 - Release Date: 28/05/2004

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.692 / Virus Database: 453 - Release Date: 28/05/2004

2738. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-07 06:58:45 UTC
From: akshay daniel
Topic: 2732 Message: 2738

Don't know about the 530S, but in the 830S, there are
a pair of 100Mfd/450V filter caps in the HV supply. It
is possible that these are the culprits. About the
ONLY problems I have had with my 830S (bar those
related to operator stupidity!) have been with those.

73,
Ron, 6Y5/4S7RO

--- dr7zyq <dr7zyq@...> wrote:

>
> My TS-530SP was operating like a champ and then!!
> The high voltage
> has plummeted to around 600 and it won't transmit
> properly.
>
> Any ideas?
>
> Thanks,
>
> David, WA7ZYQ
>
>
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_____
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http://mail.yahoo.com

2739. Re: [TS-520_820_530_830] New File/Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-07 09:39:28 UTC
From: José Luis
Topic: 2729 Message: 2739

You can translate the descriptions to English, not problem. I sent the photo as I had it... And for me it is more easy in Spanish. :-)

Jose - EA4YD

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, November 06, 2004 10:46 PM
Subject: Re: [TS-520_820_530_830] New File/Photo

>
> Yeah I thought I would leave the Spanish description
> in there, tilt of the hat to Jose and his photo
> editing skills. Hey, we be international, eh?
>
> bill
>

2740. Re: [TS-520_820_530_830] New File/Photo

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-07 18:19:41 UTC
From: Bill K0ZL
Topic: 2729 Message: 2740

Thanks Jose but just as soon keep an international
flavor to our doings, if that's OK!!!

bill

--- Jos? Luis <jotaele@...> wrote:

>
> You can translate the descriptions to English, not
> problem. I sent the photo
> as I had it... And for me it is more easy in
> Spanish. :-)
>
> Jose - EA4YD
>
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, November 06, 2004 10:46 PM
> Subject: Re: [TS-520_820_530_830] New File/Photo
>
>
> >
> > Yeah I thought I would leave the Spanish
> description
> > in there, tilt of the hat to Jose and his photo
> > editing skills. Hey, we be international, eh?
> >
> > bill
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"If in doubt, MODIFY" --k0zl

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2741. TS-830S Hum in audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 00:42:30 UTC
From: au20061
Topic: 2741 Message: 2741

I have been getting reports of a slight hum in my audio. It is not real bad but is detectable when I pause while speaking. The rig loads up great...puts out full power... and receive is right on.

I have tried different mikes....same problem. The receive audio is perfect..no hum.

I had another problem with vfo drift of 1 to 2 kc random. I tightened all the circuit board screws and it seemed to have corrected that problem. Still need to get rid of the transmit hum.

Any ideas?

Thanks

Tom K4KFN

2742. Re: [TS-520_820_530_830] TS-830S Hum in audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 00:49:42 UTC
From: Paul Manuel
Topic: 2741 Message: 2742

--- au20061 <au2006@...> wrote:
> I have been getting reports of a slight hum in my audio. It is not
> real bad but is detectable when I pause while speaking. The rig
> loads up great...puts out full power... and receive is right on.

Sometimes the connectors on the interconnecting cables can work loose. My 830 did this when the connector from the mic gain pot was slightly loose on the circuit board it goes to. Haven't had the 830 for a couple of years, but I think that is what happened with mine. Make sure all the connectors are fully seated.
73,
Paul K4PDM

_____
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2743. G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 10:13:49 UTC
From: james
Topic: 2743 Message: 2743

hello from Vk4TJF i have made a G5RV antenna and i have enough room in my back yoard to put the 102 ft. of earth wire in a v shape. the difficult part is the matching section of T.V. twin lead i have it up on a pole but it is not 28 ft. high. i have a low set house any suggestions for where to put the matching section? ohh and one more question can i put part of the matching section hanging down into my attic or does it need to be outside?

2744. Re: TS-830S Hum in audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 11:58:58 UTC
From: au20061
Topic: 2741 Message: 2744

Paul

The connector from the processor switch was loose. I pushed it back in .....have not had a chance to get an audio report to see what it did. Band is too bad. I will let you know if it helped or I need to keep looking. Thanks for your suggestion.

Tom

--- In TS-520_820_530_830@yahoogroups.com, Paul Manuel <k4pdm@y...> wrote:
>
> --- au20061 <au2006@b...> wrote:
> > I have been getting reports of a slight hum in my audio. It is not
> > real bad but is detectable when I pause while speaking. The rig
> > loads up great...puts out full power... and receive is right on.
>
> Sometimes the connectors on the interconnecting cables can work loose. My
> 830 did this when the connector from the mic gain pot was slightly loose
> on the circuit board it goes to. Haven't had the 830 for a couple of
> years, but I think that is what happened with mine. Make sure all the
> connectors are fully seated.
> 73,
> Paul K4PDM
>
>
>
> _____
> Do you Yahoo!?
> Check out the new Yahoo! Front Page.
> www.yahoo.com

2745. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 12:02:39 UTC
From: Norm Fusaro
Topic: 2743 Message: 2745

Can you get the pole a bit higher? If not then do your best to keep the twinlead outdoors. It has to drop down perpendicular to the tophat but it can swoop upward to the poit where it enters the house.
The better bet is to raise the antenna. It is only a wire and does not requir a heavy duty support. If you could install wall brackets on the house and a section or two of mast will work FB. Put a small pulley at the top to raise and lower the antanna.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "james" <leartez2000@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 5:13 AM
Subject: [TS-520_820_530_830] G5RV antenna

>
>
> hello from Vk4TJF i have made a G5RV antenna and i have enough room
> in my back yoard to put the 102 ft. of earth wire in a v shape. the
> difficult part is the matching section of T.V. twin lead i have it
> up on a pole but it is not 28 ft. high. i have a low set house any
> suggestions for where to put the matching section? ohh and one more
> question can i put part of the matching section hanging down into my
> attic or does it need to be outside?
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> Yahoo! Groups Links
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2746. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 12:46:37 UTC
From: Bill K0ZL
Topic: 2743 Message: 2746

Hi James,

Just keep the balun off the ground. I am going to
mount mine on the outside wall just under the eve. The
twin lead can droop down before going up to the
antenna; if the ground is dry it can even lay on the
ground. Main thing is that the twin lead part is
perpendicular to the antenna wires.

b

--- james <leartez2000@...> wrote:

>
> hello from Vk4TJF i have made a G5RV antenna and i
> have enough room
> in my back yoard to put the 102 ft. of earth wire in
> a v shape. the
> difficult part is the matching section of T.V. twin
> lead i have it
> up on a pole but it is not 28 ft. high. i have a
> low set house any
> suggestions for where to put the matching section?
> ohh and one more
> question can i put part of the matching section
> hanging down into my
> attic or does it need to be outside?
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>

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"If in doubt, MODIFY" --k0zl

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2747. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 12:47:46 UTC
From: Bill K0ZL
Topic: 2743 Message: 2747

Norm we think alike. that is scary.

b

--- Norm Fusaro <w3iz@...> wrote:

> Can you get the pole a bit higher? If not then do
> your best to keep the
> twinlead outdoors. It has to drop down
> perpendicular to the tophat but it
> can swoop upward to the poit where it enters the
> house.
> ...

=====

"If in doubt, MODIFY" --k0zl

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2748. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 16:06:41 UTC
From: Norm Fusaro
Topic: 2743 Message: 2748

Wow, Bill. That is very scary. Now if the guy doesn't believe us two mad scientists I don't know what he's going to do. hihi.

Just because more than one person says it doesn't make it right but in this case that is the right way to install an antenna with twinlead.

Actually, most guys use a G5RV because they hear about them but in reality if they took a dipole of any length and fed it with 450 ohm twinlead to a 4:1 balun and ran coax to the balun outside the house, they could have a very effective antenna for all bands.

I recommend the book "Lew McCoy On Antennas" published by CQ Communications. It is the best $16 you will ever spend.
http://unix8.sunserver.com/cq/Detail.bok?searchpath=d02a6c0810018d3444ee8&category=Books&start=1&total=48&no=24
This is described on page 43 of the book.

73, Norm - W3IZ

Bill K0ZL <coorsbill@...> wrote:

Norm we think alike. that is scary.

b

--- Norm Fusaro wrote:

> Can you get the pole a bit higher? If not then do
> your best to keep the
> twinlead outdoors. It has to drop down
> perpendicular to the tophat but it
> can swoop upward to the poit where it enters the
> house.
> ...

=====

"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2749. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 06:29:04 UTC
From: dr7zyq
Topic: 2732 Message: 2749

Looking back, it appears that the problem was intermittent at brief intervals. On the air reports were: "You got something cutting out." and, "Your signal is motorboating."..... etc. When I switch the meter over to "Voltage" it reads only 50 or 60% of what it should be.

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, November 06, 2004 1:51 PM
Subject: Re: [TS-520_820_530_830] TS-530SP problem

>
> If one of the high voltage caps fails, typically you
> will see 1/2 of the normal plate voltage or about 430
> volts. And a lot of hummmmmmm.. guys will complain
> that your audio is distorted and you will only get
> about 30 watts out.
>
> When you say it "won't transmit properly", what
> exactly do you mean? Describe.
>
> b
>
> --- dr7zyq <dr7zyq@...> wrote:
>
> >
> > My TS-530SP was operating like a champ and then!!
> > The high voltage
> > has plummeted to around 600 and it won't transmit
> > properly.
> >
> > Any ideas?
> >
> > Thanks,
> >
> > David, WA7ZYQ
> >
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>
> "If in doubt, MODIFY" --k0zl
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2750. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 21:37:33 UTC
From: Bill K0ZL
Topic: 2732 Message: 2750

Replace the plate HI-V filter caps.

b

--- dr7zyq <dr7zyq@...> wrote:

>
> Looking back, it appears that the problem was
> intermittent at brief
> intervals. On the air reports were: "You got
> something cutting out." and,
> "Your signal is motorboating."..... etc. When I
> switch the meter over to
> "Voltage" it reads only 50 or 60% of what it should
> be.
>
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Saturday, November 06, 2004 1:51 PM
> Subject: Re: [TS-520_820_530_830] TS-530SP problem
>
>
> > > If one of the high voltage caps fails, typically
> you
> > > will see 1/2 of the normal plate voltage or about
> 430
> > > volts. And a lot of hummmmmmm.. guys will complain
> > > that your audio is distorted and you will only get
> > > about 30 watts out.
> > >
> > > When you say it "won't transmit properly", what
> > > exactly do you mean? Describe.
> > >
> > > b
> > >
> > > --- dr7zyq <dr7zyq@...> wrote:
> > >
> > > >
> > > > My TS-530SP was operating like a champ and
> then!!
> > > > The high voltage
> > > > has plummeted to around 600 and it won't
> transmit

> > > properly.
> > >
> > > Any ideas?
> > >
> > > Thanks,
> > >
> > > David, WA7ZYQ
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
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"If in doubt, MODIFY" --k0zl

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2751. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 21:44:47 UTC
From: dr7zyq
Topic: 2732 Message: 2751

I will give it a try -- much thanks.

David, WA7YQ

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 1:37 PM
Subject: Re: [TS-520_820_530_830] TS-530SP problem

>
> Replace the plate HI-V filter caps.
>
> b
>
> --- dr7zyq <dr7zyq@...> wrote:
>
> >
> > Looking back, it appears that the problem was
> > intermittent at brief
> > intervals. On the air reports were: "You got
> > something cutting out." and,
> > "Your signal is motorboating."..... etc. When I
> > switch the meter over to
> > "Voltage" it reads only 50 or 60% of what it should
> > be.
> >
> >
> > ----- Original Message -----
> > From: "Bill K0ZL" <coorsbill@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Saturday, November 06, 2004 1:51 PM
> > Subject: Re: [TS-520_820_530_830] TS-530SP problem
> >
> >
> > >
> > > If one of the high voltage caps fails, typically
> > you
> > > will see 1/2 of the normal plate voltage or about
> > 430
> > > volts. And a lot of hummmmmmm.. guys will complain
> > > that your audio is distorted and you will only get
> > > about 30 watts out.
> > >
> > > When you say it "won't transmit properly", what
> > > exactly do you mean? Describe.

> > >
> > > b
> > >
> > > --- dr7zyq <dr7zyq@...> wrote:
> > >
> > > >
> > > > My TS-530SP was operating like a champ and
> > then!!
> > > > The high voltage
> > > > has plummeted to around 600 and it won't
> > transmit
> > > > properly.
> > > >
> > > > Any ideas?
> > > >
> > > > Thanks,
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> > > > David, WA7ZYQ
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> > > "If in doubt, MODIFY" --k0zl
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2752. Kenwood ts-530SP Digital display counting backwards

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-08 23:07:30 UTC
From: james27613
Topic: 2752 Message: 2752

From Eham.net Elmer Forum

http://www.eham.net/forums/Elmers/77523

Dear All,

I have a little problem with my gorgious Kenwood TS-530SP - yes when he dies I will buy a Ten Tec but until then ....

The problem: When I switch him on he either shows (switched on 20m) 13.500 Mhz or he shows the real frequency but behind 14.200 Mhz he starts to count back !!! Nice feature ... The real rx and tx frequency is a s displayed on the mechanical scale but the digital frequency display shows odd things or counts backwards.

Can anybody broaden my life again ??

Cheers

Lutz, DD1ZH

73 James

2753. Re: TS-830S Hum in audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 01:17:06 UTC
From: au20061
Topic: 2741 Message: 2753

Paul

I just concluded a contact on 40 meters with a W7 in Utah. He gave me a clean audio report. I was 10 over 9 so hopefully I was strong enough for him to detect the hum if it was still there. I will keep my fingers crossed that the small connector was the problem.

Thanks for your help.

Tom K4KFN

--- In TS-520_820_530_830@yahoogroups.com, "au20061" <au2006@b...> wrote:
>
> Paul
>
> The connector from the processor switch was loose. I pushed it back
> in .....have not had a chance to get an audio report to see what
> it did. Band is too bad. I will let you know if it helped or I need
> to keep looking. Thanks for your suggestion.
>
> Tom
>
>
>
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Paul Manuel <k4pdm@y...>
> wrote:
> >
> > --- au20061 <au2006@b...> wrote:
> > > I have been getting reports of a slight hum in my audio. It is
> not
> > > real bad but is detectable when I pause while speaking. The rig
> > > loads up great...puts out full power... and receive is right on.
> >
> > Sometimes the connectors on the interconnecting cables can work
> loose. My
> > 830 did this when the connector from the mic gain pot was slightly
> loose

> > on the circuit board it goes to. Haven't had the 830 for a
couple
> of
> > years, but I think that is what happened with mine. Make sure
all
> the
> > connectors are fully seated.
> > 73,
> > Paul K4PDM
> >
> >
> >
> > _____
> > Do you Yahoo!?
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> > www.yahoo.com

2754. Re: [TS-520_820_530_830] Re: TS-830S Hum in audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 02:04:19 UTC
From: Paul Manuel
Topic: 2741 Message: 2754

--- au20061 <au2006@...> wrote:
> I just concluded a contact on 40 meters with a W7 in Utah. He gave
> me a clean audio report. I was 10 over 9 so hopefully I was strong
> enough for him to detect the hum if it was still there. I will keep
> my fingers crossed that the small connector was the problem.

Tom,
Hope your problem is solved! You might also try listening on the "monitor"
circuit thru headphones. But the first thing I do with any older Kenwood
when there is a problem is check all those connectors!
73,
Paul K4PDM

_____
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2755. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 02:20:49 UTC
From: Steve Phillips
Topic: 2743 Message: 2755

I just bought a G5RV as well. It's the WA2NAN True-Talk - II variety. It's 204' long. I was expecting the 102' version.

I strung it up temporarily in some trees but not high enough for the ladder line to all be in the air. Part of it is running along the ground at the moment.

I did some quick testing and easily tuned it with the tuner on 20, 40 and 80 meters.

I have heard that the balun is unnecessary. In fact the documentation that came with mine says as much and goes on to say that it's because the input impedance to the feedline is between 50 and 60 ohms.

Thanks,
Steve
VA3SPX

----- Original Message -----
From: "Norm Fusaro" <w3iz@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 11:06 AM
Subject: Re: [TS-520_820_530_830] G5RV antenna

>
> Wow, Bill. That is very scary. Now if the guy doesn't believe us two mad scientists I don't know what he's going to do. hihi.
>
> Just because more than one person says it doesn't make it right but in this case that is the right way to install an antenna with twinlead.
>
> Actually, most guys use a G5RV because they hear about them but in reality if they took a dipole of any length and fed it with 450 ohm twinlead to a 4:1 balun and ran coax to the balun outside the house, they could have a very effective antenna for all bands.
>
> I recommend the book "Lew McCoy On Antennas" published by CQ Communications. It is the best $16 you will ever spend.
>
http://unix8.sunserver.com/cq/Detail.bok?searchpath=d02a6c0810018d3444ee8&category=Books&start=1&total=48&no=24
> This is described on page 43 of the book.
>
> 73, Norm - W3IZ
>
> Bill K0ZL <coorsbill@...> wrote:

>
> Norm we think alike. that is scary.
>
> b
>
> --- Norm Fusaro wrote:
>
> > Can you get the pole a bit higher? If not then do
> > your best to keep the
> > twinlead outdoors. It has to drop down
> > perpendicular to the tophat but it
> > can swoop upward to the poit where it enters the
> > house.
> > ...
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> [Non-text portions of this message have been removed]
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2756. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 03:24:44 UTC
From: Norm Fusaro
Topic: 2743 Message: 2756

On what frequency? The regular 102' G5RV is made to be a 3/2 wave antenna on 20m.
In order to prevent the coax from radiating the balun is necessary. Please read about balanced and unbalance feedlines & antennas
http://fermi.la.asu.edu/w9cf/articles/balun/

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Steve Phillips" <stevemp@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 9:20 PM
Subject: Re: [TS-520_820_530_830] G5RV antenna

> I have heard that the balun is unnecessary. In fact the documentation that
> came with mine says as much and goes on to say that it's because the input
> impedance to the feedline is between 50 and 60 ohms.

2757. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 04:01:21 UTC
From: Steve Phillips
Topic: 2743 Message: 2757

I am not an expert. I am asking and trying to understand why so many sources say the balun is not recommended on a G5RV antenna.

For example on http://www.g3ycc.karoo.net/g5rv.htm

In the original article describing the G5RV antenna, published in the "RSGB BULLETIN" for November 1966, it was suggested that, if a coaxial feed was used, a balun might be employed to provide the nessessary balanced-to-unbalanced transformation at the base of the matching section. However, later experiments, and a better understanding of the theory of operation of the balun indicated that such a device was unsuitable due to the high reactance in the load presented at the base of the matching section. In a nutshell, DON'T USE A BALUN ON THE G5RV !!!!!

and....

http://www.qsl.net/aa3px/g5rv.htm
The antenna can be fed by any convenient type of feeder provided always that a suitable type of antenna tuner is used. In the original article describing the G5RV antenna, published in the , then, RSGB bulletin November 1966, it was suggested that if coaxial cable feeder was used, a balun might be employed to provide the necessary unbalanced-to-balanced transformation at the base of the matching section. This was because the antenna and its matching section constitute a balanced system, whereas a coaxial cable is an unbalanced type of feeder. However, later experiments and a better understanding of the theory of operation of the balun indicated that such a device was unsuitable because of the highly reactive load it would "see" at the base of the matching or "make-up" section on most hf bands.

It is now known that if a balun is connected to a reactive load presenting a vswr of more than about 2:1, its internal losses increase, resulting in heating of the windings and saturation of its core (if used). In extreme cases, with relatively high power operation, the heat generated due to the power dissipated in the device can cause it to burn out. However, the main reason for not employing a balun in the case of the G5RV antenna is that, unlike un antenna tuner which employs a tuned circuit, the balun cannot compensate for the reactive load condition presented to it by the antenna on most of the hf bands, whereas a suitable type of antenna tuner can do this most effectively and efficiently.

Recent experiments by the author to determine the importance or otherwise of "unbalance" effects caused by the direct connection of a coaxial feeder to the base of the matching section had a rather surprising result. They proved that, in fact, the hf currents measured at the junction of the inner conductor or the coaxial cable with one side of the (balanced) matching section and at the junction of the outer coaxial conductor (the shield) with

the other side of this section are virtually identical on all bands up to 28mhz, where a slight but inconsequential difference in these currents has been observed. There is, therefore, no need to provide an unbalanced-to-balanced device at this junction when using coaxial feeder.

However, the use of an unbalanced-to-unbalanced type of antenna tuner between the coaxial output of a modern transmitter (or transceiver) and the coaxial feeder is essential because of the reactive condition presented at the station end of this feeder which, on all but the 14mhz band, will have a fairly high to high vswr on it. This vswr, however, will result in insignificant losses on a good-quality coaxial feeder of reasonable length; say, up to about 70ft (21.3m). Because it will, inevitably, have standing waves on it, the actual characteristic impedance of the coaxial cable is unimportant, so that either 50 ohm or 80 ohm type can be used.

Steve
VA3SPX

----- Original Message -----
From: "Norm Fusaro" <w3iz@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 10:24 PM
Subject: Re: [TS-520_820_530_830] G5RV antenna

>
> On what frequency? The regular 102' G5RV is made to be a 3/2 wave antenna
> on 20m.
> In order to prevent the coax from radiating the balun is necessary.
Please
> read about balanced and unbalance feedlines & antennas
> http://fermi.la.asu.edu/w9cf/articles/balun/
>
>
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
> From: "Steve Phillips" <stevemp@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, November 08, 2004 9:20 PM
> Subject: Re: [TS-520_820_530_830] G5RV antenna
>
>
> > I have heard that the balun is unnecessary. In fact the documentation
> that
> > came with mine says as much and goes on to say that it's because the
input
> > impedance to the feedline is between 50 and 60 ohms.
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2758. Re: [TS-520_820_530_830] Kenwood ts-530SP Digital display counting backwards

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 12:28:22 UTC
From: Bill K0ZL
Topic: 2752 Message: 2758

Lutz, you will need to troubleshoot the PLL circuit;
this is what the frequency counter is reading from.

It is likely out of lock.

b

--- james27613 <james27613@...> wrote:

>
> From Eham.net Elmer Forum
>
> http://www.eham.net/forums/Elmers/77523
>
> Dear All,
>
> I have a little problem with my gorgious Kenwood
> TS-530SP - yes when
> he dies I will buy a Ten Tec but until then ....
>
> The problem: When I switch him on he either shows
> (switched on 20m)
> 13.500 Mhz or he shows the real frequency but behind
> 14.200 Mhz he
> starts to count back !!! Nice feature ... The real
> rx and tx
> frequency is a s displayed on the mechanical scale
> but the digital
> frequency display shows odd things or counts
> backwards.
>
> Can anybody broaden my life again ??
>
> Cheers
>
> Lutz, DD1ZH
>
> 73 James
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2759. G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-09 16:41:28 UTC
From: Norm Fusaro
Topic: 2743 Message: 2759

Hi Steve.

In reading the article by the inventor of the G5RV antenna, you cut out this section:

By far the most efficient feeder is the "open wire" type. A suitable length of such feeder can be constructed in exactly the same way as that described for the open-wire matching section. If this form of feeder is employed, almost any convenient length may be used from the centre of the antenna right to the antenna tuner (balanced) output terminals. In this case, of course, the matching section becomes an integral part of the feeder. A particularly convenient length of open-wire feeder is 84ft (25.6m), because such a length permits parallel tuning of the antenna tuner circuit on all bands from 3.5 to 28mhz with conveniently located coil taps in the antenna tuner coils for each band, or, where the alternative form of antenna tuner employing a three-gang 500pf/section variable coupling capacitor is used the optimum loading condition can be achieved for each band. However, this is not a rigid feeder length requirement and almost any length that is mechanically convenient may be used.
Since this type of feeder will always carry a standing wave, its characteristic impedance is unimportant, and sharp bends, if necessary, may be used without detriment to its efficiency. It is only when this type of feeder is correctly terminated by a resistive load equal to its characteristic impedance that such bends must be avoided.

Coaxial cable hf choke

Under certain conditions, either due to the inherent "unbalanced-to-balanced" effect caused by the direct connection of a coaxial feeder to the base of the (balanced) matching section, or to pick-up of energy radiated by the antenna, a current may flow on the outside of the coaxial outer conductor. This effect may be considerably reduced, or eliminated, by winding the coaxial cable feeder into a coil of 8 to 10 turns about 6in in diameter immediately below the point of connection of the coaxial cable to the base of the matching section. The turns may be taped together or secured by nylon cord.

In his discussion of not using a balun Mr. Varney does not say if he is talking about a voltage balun in which case this would be true as opposed to a current balun. Since he recommends a RF choke of the coaxial type then this would also be considered a current balun. The same choke can be made by using about 50 #73 ferrite beads on the coax. The point of any of these methods is to not have the outer part of the coax braid act as a radiator.

While the coil of coax is quick and dirty the beads are more effective. A coaxial balun if wrapped around a form such as PVC pipe will be very effective. If usin a balanced tuner, then the balun can be between the radio and tuner. If not, and most tuners on the market are not balanced then the balun goes after the tuner and prefably where the balanced and unbalanced portions meet.

The voltage type balun will definitely heat up as he describes and is not worth a darn in the antenna system.

I hope that this helps you out. The matching device in the PVC tube in commercial G5RV antennas is the ferrite beads around the coax and then sealed in a PVC tube to protect against WX.

73,

Norm, W3IZ

[Non-text portions of this message have been removed]

2760. Re: [TS-520_820_530_830] G5RV antenna

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-10 02:42:27 UTC
From: Eric Webner
Topic: 2743 Message: 2760

I think the point is to not use a typical balun, which consists of turns of wire on a ferrite core (transformer).

As the other gentleman indicated, a coil of coax, ferrite beads, or even a matching section (see Antenna Handbook) will take care of interfacing the coax to the tuned feeders quite nicely.

Good luck.

73,

Eric

Steve Phillips <stevemp@...> wrote:
I am not an expert. I am asking and trying to understand why so many sources say the balun is not recommended on a G5RV antenna.

For example on http://www.g3ycc.karoo.net/g5rv.htm

In the original article describing the G5RV antenna, published in the "RSGB BULLETIN" for November 1966, it was suggested that, if a coaxial feed was used, a balun might be employed to provide the nessessary balanced-to-unbalanced transformation at the base of the matching section. However, later experiments, and a better understanding of the theory of operation of the balun indicated that such a device was unsuitable due to the high reactance in the load presented at the base of the matching section. In a nutshell, DON'T USE A BALUN ON THE G5RV !!!!!

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It is now known that if a balun is connected to a reactive load presenting a vswr of more than about 2:1, its internal losses increase, resulting in heating of the windings and saturation of its core (if used). In extreme cases, with relatively high power operation, the heat generated due to the

power dissipated in the device can cause it to burn out. However, the main reason for not employing a balun in the case of the G5RV antenna is that, unlike un antenna tuner which employs a tuned circuit, the balun cannot compensate for the reactive load condition presented to it by the antenna on most of the hf bands, whereas a suitable type of antenna tuner can do this most effectively and efficiently.

Recent experiments by the author to determine the importance or otherwise of "unbalance" effects caused by the direct connection of a coaxial feeder to the base of the matching section had a rather surprising result. They proved that, in fact, the hf currents measured at the junction of the inner conductor or the coaxial cable with one side of the (balanced) matching section and at the junction of the outer coaxial conductor (the shield) with the other side of this section are virtually identical on all bands up to 28mhz, where a slight but inconsequential difference in these currents has been observed. There is, therefore, no need to provide an unbalanced-to-balanced device at this junction when using coaxial feeder.

However, the use of an unbalanced-to-unbalanced type of antenna tuner between the coaxial output of a modern transmitter (or transceiver) and the coaxial feeder is essential because of the reactive condition presented at the station end of this feeder which, on all but the 14mhz band, will have a fairly high to high vswr on it. This vswr, however, will result in insignificant losses on a good-quality coaxial feeder of reasonable length; say, up to about 70ft (21.3m). Because it will, inevitably, have standing waves on it, the actual characteristic impedance of the coaxial cable is unimportant, so that either 50 ohm or 80 ohm type can be used.

Steve
VA3SPX

----- Original Message -----
From: "Norm Fusaro" <w3iz@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 10:24 PM
Subject: Re: [TS-520_820_530_830] G5RV antenna

>
> On what frequency? The regular 102' G5RV is made to be a 3/2 wave antenna
> on 20m.
> In order to prevent the coax from radiating the balun is necessary.
Please
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> http://fermi.la.asu.edu/w9cf/articles/balun/
>
>
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
> From: "Steve Phillips" <stevemp@...>

> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, November 08, 2004 9:20 PM
> Subject: Re: [TS-520_820_530_830] G5RV antenna
>
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> > I have heard that the balun is unnecessary. In fact the documentation
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[Non-text portions of this message have been removed]

2761. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-10 06:23:20 UTC
From: dr7zyq
Topic: 2732 Message: 2761

Replaced the HV caps and rig is perking!

Thanks for the help.

David, WA7ZYQ

----- Original Message -----
From: "dr7zyq" <dr7zyq@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 1:44 PM
Subject: Re: [TS-520_820_530_830] TS-530SP problem

> I will give it a try -- much thanks.
>
> David, WA7YQ
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, November 08, 2004 1:37 PM
> Subject: Re: [TS-520_820_530_830] TS-530SP problem
>
>
> >
> > Replace the plate HI-V filter caps.
> >
> > b
> >
> > --- dr7zyq <dr7zyq@...> wrote:
> >
> > >
> > > Looking back, it appears that the problem was
> > > intermittent at brief
> > > intervals. On the air reports were: "You got
> > > something cutting out." and,
> > > "Your signal is motorboating."..... etc. When I
> > > switch the meter over to
> > > "Voltage" it reads only 50 or 60% of what it should
> > > be.
> > >
> > >
> > > ----- Original Message -----
> > > From: "Bill K0ZL" <coorsbill@...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Saturday, November 06, 2004 1:51 PM
> > > Subject: Re: [TS-520_820_530_830] TS-530SP problem

> > >
> > >
> > > >
> > > > If one of the high voltage caps fails, typically
> > > you
> > > > will see 1/2 of the normal plate voltage or about
> > > 430
> > > > volts. And a lot of hummmmmmm.. guys will complain
> > > > that your audio is distorted and you will only get
> > > > about 30 watts out.
> > > >
> > > > When you say it "won't transmit properly", what
> > > > exactly do you mean? Describe.
> > > >
> > > > b
> > > >
> > > > --- dr7zyq <dr7zyq@...> wrote:
> > > >
> > > > >
> > > > > My TS-530SP was operating like a champ and
> > > then!!
> > > > > The high voltage
> > > > > has plummeted to around 600 and it won't
> > > transmit
> > > > > properly.
> > > > >
> > > > > Any ideas?
> > > > >
> > > > > Thanks,
> > > > >
> > > > > David, WA7ZYQ
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> > > > "If in doubt, MODIFY" --k0zl
> > > >
> > > > Need a tech? See our website
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2762. scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-10 11:59:34 UTC
From: Dacia & Warren Brandt
Topic: 2732 Message: 2762

I just bought a TS-520, and pretty much every control and switch is scratchy. What is the best method of cleaning them?

Thanks,
Warren - KC0U.

[Non-text portions of this message have been removed]

2763. Re: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-10 23:26:57 UTC
From: Eric Webner
Topic: 2732 Message: 2763

It sounds like your new rig needs a good cleaning. Potentiometers can be cleaned with De-oxit (R) spray contact cleaner. Spray it inside the pot, then work the control back and forth several times. Obviously, do it when the radio is powered down, and let it sit about a day before you power it back up.

If the wafer switches are particularly bad (i.e. contacts are black instead of silver), I refer you to the following link:
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
While this cleaning technique is on a Drake website, it should apply to any wafer switch. I did this recently to a Drake T-4XC transmitter, and it worked great! Check it out.

If you have any other questions, feel free to type again.

73,

Eric

Dacia & Warren Brandt <wabrand@...> wrote:
I just bought a TS-520, and pretty much every control and switch is
scratchy. What is the best method of cleaning them?

Thanks,
Warren - KC0U.

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

2764. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-10 23:29:19 UTC
From: Eric Webner
Topic: 2732 Message: 2764

Congratulations!

Eric

dr7zyq <dr7zyq@...> wrote:
Replaced the HV caps and rig is perking!

Thanks for the help.

David, WA7ZYQ

----- Original Message -----
From: "dr7zyq" <dr7zyq@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, November 08, 2004 1:44 PM
Subject: Re: [TS-520_820_530_830] TS-530SP problem

> I will give it a try -- much thanks.
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> David, WA7YQ
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> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, November 08, 2004 1:37 PM
> Subject: Re: [TS-520_820_530_830] TS-530SP problem
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> > Replace the plate HI-V filter caps.
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> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Saturday, November 06, 2004 1:51 PM
> > > Subject: Re: [TS-520_820_530_830] TS-530SP problem
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> > > > > > David, WA7ZYQ
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[Non-text portions of this message have been removed]

2765. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 00:03:08 UTC
From: Bill K0ZL
Topic: 2732 Message: 2765

WHERE did you get them so quickly? hi!

Congratulations!!!!

bill and group

--- dr7zyq <dr7zyq@...> wrote:

> Replaced the HV caps and rig is perking!
>
> Thanks for the help.
>
> David, WA7ZYQ
>
> ----- Original Message -----
> From: "dr7zyq" <dr7zyq@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, November 08, 2004 1:44 PM
> Subject: Re: [TS-520_820_530_830] TS-530SP problem
>
>
> > I will give it a try -- much thanks.
> >
> > David, WA7YQ
> >
> > ----- Original Message -----
> > From: "Bill K0ZL" <coorsbill@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Monday, November 08, 2004 1:37 PM
> > Subject: Re: [TS-520_820_530_830] TS-530SP problem
> >
> >
> > >
> > > Replace the plate HI-V filter caps.
> > >
> > > b
> > >
> > > --- dr7zyq <dr7zyq@...> wrote:
> > >
> > > >
> > > > Looking back, it appears that the problem was
> > > > intermittent at brief
> > > > intervals. On the air reports were: "You got
> > > > something cutting out." and,
> > > > "Your signal is motorboating."..... etc.
> When I

> > > > switch the meter over to
> > > > "Voltage" it reads only 50 or 60% of what it
> should
> > > > be.
> > > >
> > > >
> > > > ----- Original Message -----
> > > > From: "Bill K0ZL" <coorsbill@...>
> > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > Sent: Saturday, November 06, 2004 1:51 PM
> > > > Subject: Re: [TS-520_820_530_830] TS-530SP
> problem
> > > >
> > > >
> > > > >
> > > > > If one of the high voltage caps fails,
> typically
> > > > you
> > > > > will see 1/2 of the normal plate voltage or
> about
> > > > 430
> > > > > volts. And a lot of hummmmmmm.. guys will
> complain
> > > > > that your audio is distorted and you will
> only get
> > > > > about 30 watts out.
> > > > >
> > > > > When you say it "won't transmit properly",
> what
> > > > > exactly do you mean? Describe.
> > > > >
> > > > > b
> > > > >
> > > > > --- dr7zyq <dr7zyq@...> wrote:
> > > > >
> > > > > >
> > > > > > My TS-530SP was operating like a champ and
> > > > then!!
> > > > > > The high voltage
> > > > > > has plummeted to around 600 and it won't
> > > > transmit
> > > > > > properly.
> > > > > >
> > > > > > Any ideas?
> > > > > >
> > > > > > Thanks,
> > > > > >
> > > > > > David, WA7ZYQ
> > > > > >
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> > > > > "If in doubt, MODIFY" --k0zl
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> > > > > Need a tech? See our website
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> > > "If in doubt, MODIFY" --k0zl
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> > > Need a tech? See our website
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"If in doubt, MODIFY" --k0zl

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2766. Re: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 00:06:02 UTC
From: Bill K0ZL
Topic: 2732 Message: 2766

Hi Warren, welcome to the group!

Best thing to do is take the covers off the radio and spray some stuff into the controls, hi!!!

Ah, but what's the best STUFF?

I use Caig Labs Cailube MCL. DeOxIt works too, but I don't have a track record on that yet... MCL goes in and continues cleaning for along long time, which means years... without, seemingly, degrading the control any worse than it was.

Get the 2 Oz can; it will last you and several friends a long time.

If you are in Denver, I can lend you mine.

www.caiglabs.com

73!

Bill K0ZL
--- Dacia & Warren Brandt <wabrand@...> wrote:

> I just bought a TS-520, and pretty much every
> control and switch is
> scratchy. What is the best method of cleaning them?
>
> Thanks,
> Warren - KC0U.
>
>
> [Non-text portions of this message have been
> removed]
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"If in doubt, MODIFY" --k0zl

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2767. Re: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 00:17:52 UTC
From: Bill K0ZL
Topic: 2732 Message: 2767

Hi Eric,

I have not found it necessary to leave the rig off...
I usually clean the controls as part of normal
service, then operate the rig during alignment; this
will show me if any controls need an extra "shot" or
if they are mechanically compromised.

The juice is non-conductive, I believe.

bill

--- Eric Webner <ka8fan@...> wrote:

> It sounds like your new rig needs a good cleaning.
> Potentiometers can be cleaned with De-oxit (R) spray
> contact cleaner. Spray it inside the pot, then work
> the control back and forth several times. Obviously,
> do it when the radio is powered down, and let it sit
> about a day before you power it back up.
>
> If the wafer switches are particularly bad (i.e.
> contacts are black instead of silver), I refer you
> to the following link:
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
> While this cleaning technique is on a Drake website,
> it should apply to any wafer switch. I did this
> recently to a Drake T-4XC transmitter, and it worked
> great! Check it out.
>
> If you have any other questions, feel free to type
> again.
>
> 73,
>
> Eric
>
>
> Dacia & Warren Brandt <wabrand@...> wrote:
> I just bought a TS-520, and pretty much every
> control and switch is
> scratchy. What is the best method of cleaning them?
>
> Thanks,
> Warren - KC0U.

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> [Non-text portions of this message have been
> removed]
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> removed]
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"If in doubt, MODIFY" --k0zl

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2768. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 01:57:25 UTC
From: dr7zyq
Topic: 2732 Message: 2768

A homebrew buddy has lots of that kind of stuff on hand -- have to in the boonies of north Idaho. Actually, only replaced the one that tested suspect, but going to replace both as "maintenance."

David, WA7ZYQ

----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, November 10, 2004 4:03 PM
Subject: Re: [TS-520_820_530_830] TS-530SP problem

>
> WHERE did you get them so quickly? hi!
>
> Congratulations!!!!
>
> bill and group
>
>
> --- dr7zyq <dr7zyq@...> wrote:
>
> > Replaced the HV caps and rig is perking!
> >
> > Thanks for the help.
> >
> > David, WA7ZYQ
> >
> > ----- Original Message -----
> > From: "dr7zyq" <dr7zyq@...>
> > To: <TS-520_820_530_830@yahoogroups.com>
> > Sent: Monday, November 08, 2004 1:44 PM
> > Subject: Re: [TS-520_820_530_830] TS-530SP problem
> >
> >
> > > I will give it a try -- much thanks.
> > >
> > > David, WA7YQ
> > >
> > > ----- Original Message -----
> > > From: "Bill K0ZL" <coorsbill@...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Monday, November 08, 2004 1:37 PM
> > > Subject: Re: [TS-520_820_530_830] TS-530SP problem
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> > > >
> > > > Replace the plate HI-V filter caps.
> > > >
> > > > b
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> > > > --- dr7zyq <dr7zyq@...> wrote:
> > > >
> > > > >
> > > > > Looking back, it appears that the problem was
> > > > > intermittent at brief
> > > > > intervals. On the air reports were: "You got
> > > > > something cutting out." and,
> > > > > "Your signal is motorboating.".... etc.
> > When I
> > > > > switch the meter over to
> > > > > "Voltage" it reads only 50 or 60% of what it
> > should
> > > > > be.
> > > > >
> > > > >
> > > > > ----- Original Message -----
> > > > > From: "Bill K0ZL" <coorsbill@...>
> > > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > > Sent: Saturday, November 06, 2004 1:51 PM
> > > > > Subject: Re: [TS-520_820_530_830] TS-530SP
> > problem
> > > > >
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> > > > > >
> > > > > > If one of the high voltage caps fails,
> > typically
> > > > > you
> > > > > > will see 1/2 of the normal plate voltage or
> > about
> > > > > 430
> > > > > > volts. And a lot of hummmmmmm.. guys will
> > complain
> > > > > > that your audio is distorted and you will
> > only get
> > > > > > about 30 watts out.
> > > > > >
> > > > > > When you say it "won't transmit properly",
> > what
> > > > > > exactly do you mean? Describe.
> > > > > >
> > > > > > b
> > > > > >
> > > > > > --- dr7zyq <dr7zyq@...> wrote:
> > > > > >
> > > > > > >
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> > > > > > > My TS-530SP was operating like a champ and
> > > > > then!!
> > > > > > > The high voltage
> > > > > > > has plummeted to around 600 and it won't
> > > > > transmit
> > > > > > > properly.
> > > > > > >
> > > > > > > Any ideas?
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> > > > > > > Thanks,
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> > > > > > > David, WA7ZYQ
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> > > > > > > "If in doubt, MODIFY" --k0zl
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2769. Re: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 03:30:15 UTC
From: Eric Webner
Topic: 2732 Message: 2769

That's just what they say on the cleaning wafer switches technique. Maybe that's from the Tarn-X or denatured alcohol that is used.

Eric

Bill K0ZL <coorsbill@...> wrote:
Hi Eric,

I have not found it necessary to leave the rig off...
I usually clean the controls as part of normal
service, then operate the rig during alignment; this
will show me if any controls need an extra "shot" or
if they are mechanically compromised.

The juice is non-conductive, I believe.

bill

--- Eric Webner <ka8fan@...> wrote:

> It sounds like your new rig needs a good cleaning.
> Potentiometers can be cleaned with De-oxit (R) spray
> contact cleaner. Spray it inside the pot, then work
> the control back and forth several times. Obviously,
> do it when the radio is powered down, and let it sit
> about a day before you power it back up.
>
> If the wafer switches are particularly bad (i.e.
> contacts are black instead of silver), I refer you
> to the following link:
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
> While this cleaning technique is on a Drake website,
> it should apply to any wafer switch. I did this
> recently to a Drake T-4XC transmitter, and it worked
> great! Check it out.
>
> If you have any other questions, feel free to type
> again.
>
> 73,
>
> Eric
>
>
> Dacia & Warren Brandt <wabrand@...> wrote:
> I just bought a TS-520, and pretty much every

> control and switch is
> scratchy. What is the best method of cleaning them?
>
> Thanks,
> Warren - KC0U.
>
>
> [Non-text portions of this message have been
> removed]
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> ---------------------------------
> Yahoo! Groups Links
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> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
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> To unsubscribe from this group, send an email to:
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>
> Your use of Yahoo! Groups is subject to the
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> Do you Yahoo!?
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"If in doubt, MODIFY" --k0zl

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[Non-text portions of this message have been removed]

2770. RE: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 11:51:18 UTC
From: Dacia & Warren Brandt
Topic: 2732 Message: 2770

Thanks for the input!

I'll decide which route to take when I get the covers off, but based on the cigarette smell coming out of the cooling fan, I'll plan for the worst.

Warren - KC0U
-----Original Message-----
From: Eric Webner [mailto:ka8fan@...]
Sent: Wednesday, November 10, 2004 5:27 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] scratchy controls

It sounds like your new rig needs a good cleaning. Potentiometers can be cleaned with De-oxit (R) spray contact cleaner. Spray it inside the pot, then work the control back and forth several times. Obviously, do it when the radio is powered down, and let it sit about a day before you power it back up.

If the wafer switches are particularly bad (i.e. contacts are black instead of silver), I refer you to the following link:
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
While this cleaning technique is on a Drake website, it should apply to any wafer switch. I did this recently to a Drake T-4XC transmitter, and it worked great! Check it out.

If you have any other questions, feel free to type again.

73,

Eric

Dacia & Warren Brandt <wabrand@...> wrote:
I just bought a TS-520, and pretty much every control and switch is scratchy. What is the best method of cleaning them?

Thanks,
Warren - KC0U.

[Non-text portions of this message have been removed]

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To unsubscribe from this group, send an email to:
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b.. To unsubscribe from this group, send an email to:
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[Non-text portions of this message have been removed]

2771. Re: SLOW SSB RETURN TO RECEIVE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 18:28:51 UTC
From: neoshomi@yahoo.com
Topic: 2503 Message: 2771

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
<p_chap@b...> wrote:
>
> which rig?
>
> --- In TS-520_820_530_830@yahoogroups.com, neoshomi@y... wrote:
> >
> > After xmt it takes a few seconds ro return to receive when I
unkey
> > the mic. Don't see a reference in the owners manual. Jerry
AC0AJ

820S is the rig and it takes about 5 seconds which causes me to lose
responses.

2772. re: Replacing HV Caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 19:44:17 UTC
From: Phono-Guy
Topic: 2772 Message: 2772

How difficult is it to replace these caps...
I have a few rigs that the time has come to do this.
Any precautions, hints/kinks you can provide
appreciated...

73,
Clint -WS1V

> Message: 2
> Date: Wed, 10 Nov 2004 15:29:19 -0800 (PST)
> From: Eric Webner <ka8fan@...>
> Subject: Re: TS-530SP problem
>
> Congratulations!
>
> Eric
>
> dr7zyq <dr7zyq@...> wrote:
> Replaced the HV caps and rig is perking!
>
> Thanks for the help.
>
> David, WA7ZYQ
>

_____
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www.yahoo.com

2773. RE: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-11 23:43:38 UTC
From: Bill K0ZL
Topic: 2732 Message: 2773

Cig smoke is not a death sentence for any rig...

If you can, take the covers off and let the rig sit in the sun outside for a couple of days (bring it in at night, of course!), the sun will help drive out that smell. Meanwhile you can wash the covers inside with Windex, that does a pretty good job of removing the film. I usually boost my Windex bottle with a tablespoon extra of household ammonia; that's what really busts the smoke loose

You can take the fan off and wash it out with the same stuff, then clear water and blow dry it or let it air dry for a day or two; be sure to lube it thru the little holes in the bearing cups on either end; sewing machine oil, 3 in 1 or 10W-30 motor oil injected with one of those little oilers works just fine.

Clean every surface you can get to that is not electronic with a rag dampened in Windex.. power transformer, filter caps, sides of chassis, etc. and the front panel you can remove the knobs and do them with windex and a toothbrush.

Get a set of metric Allen wrenches, and use the 1.5 or 2.0 mm wrench (forget which one) to remove the main VFO knob; then put one drop of oil on the shaft where it goes into the bushing. Look for the gap in the C ring on the shaft and put the oil there. You will notice an immediate reduction in drag. There is a set of washers and a spring to go back on, remember the order in which they come off.

You can also clean the tubes, these will have quite a bit of stuff on them. Don't worry about rubbing the numbers off; everyone knows they are 6146's! hi..

Of course, don't forget to spray the controls, sparingly. Get both decks on the duallies, and rotate the shafts a few times; but you knew that.

Given time, plenty of fresh air and usage, the cig smell will disappear.

Good luck, keep us posted.

73,

Bill K0ZL

--- Dacia & Warren Brandt <wabrand@...> wrote:

> Thanks for the input!
>
> I'll decide which route to take when I get the
> covers off, but based on the
> cigarette smell coming out of the cooling fan, I'll
> plan for the worst.
>
> Warren - KC0U
> -----Original Message-----
> From: Eric Webner [mailto:ka8fan@...]
> Sent: Wednesday, November 10, 2004 5:27 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: Re: [TS-520_820_530_830] scratchy
> controls
>
>
> It sounds like your new rig needs a good cleaning.
> Potentiometers can be
> cleaned with De-oxit (R) spray contact cleaner.
> Spray it inside the pot,
> then work the control back and forth several times.
> Obviously, do it when
> the radio is powered down, and let it sit about a
> day before you power it
> back up.
>
> If the wafer switches are particularly bad (i.e.
> contacts are black
> instead of silver), I refer you to the following
> link:
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
> While this cleaning technique is on a Drake
> website, it should apply to
> any wafer switch. I did this recently to a Drake
> T-4XC transmitter, and it
> worked great! Check it out.
>
> If you have any other questions, feel free to type
> again.
>
> 73,
>
> Eric
>
>
> Dacia & Warren Brandt <wabrand@...> wrote:
> I just bought a TS-520, and pretty much every

> control and switch is
> scratchy. What is the best method of cleaning
> them?
>
> Thanks,
> Warren - KC0U.
>
>
> [Non-text portions of this message have been
> removed]
>
>
> Yahoo! Groups SponsorADVERTISEMENT
>
>
> ---------------------------------
> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email
> to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
>
>
>
> ---------------------------------
> Do you Yahoo!?
> Check out the new Yahoo! Front Page. www.yahoo.com
>
> [Non-text portions of this message have been
> removed]
>
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
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> --
> Yahoo! Groups Links
>

> a.. To visit your group on the web, go to:
>
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
>
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> [Non-text portions of this message have been
> removed]
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=====

"If in doubt, MODIFY" --k0zl

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2774. Re: [TS-520_820_530_830] TS-530SP problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-12 11:24:57 UTC
From: Bill K0ZL
Topic: 2732 Message: 2774

```
Good to repl both, it's a voltage doubler and symmetry
is needed in the cap. characteristics.

b

--- dr7zyq <dr7zyq@...> wrote:

> A homebrew buddy has lots of that kind of stuff on
> hand -- have to in the
> boonies of north Idaho. Actually, only replaced the
> one that tested
> suspect, but going to replace both as "maintenance."
>
> David, WA7ZYQ
>
> ----- Original Message -----
> From: "Bill K0ZL" <coorsbill@...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Wednesday, November 10, 2004 4:03 PM
> Subject: Re: [TS-520_820_530_830] TS-530SP problem
>
>
> >
> > WHERE did you get them so quickly? hi!
> >
> > Congratulations!!!!
> >
> > bill and group
> >
> >
> > --- dr7zyq <dr7zyq@...> wrote:
> >
> > > Replaced the HV caps and rig is perking!
> > >
> > > Thanks for the help.
> > >
> > > David, WA7ZYQ
> > >
> > > ----- Original Message -----
> > > From: "dr7zyq" <dr7zyq@...>
> > > To: <TS-520_820_530_830@yahoogroups.com>
> > > Sent: Monday, November 08, 2004 1:44 PM
> > > Subject: Re: [TS-520_820_530_830] TS-530SP
> problem
> > >
> > >
```

> > > > I will give it a try -- much thanks.
> > > >
> > > > David, WA7YQ
> > > >
> > > > ----- Original Message -----
> > > > From: "Bill K0ZL" <coorsbill@...>
> > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > Sent: Monday, November 08, 2004 1:37 PM
> > > > Subject: Re: [TS-520_820_530_830] TS-530SP
> problem
> > > >
> > > >
> > > > >
> > > > > Replace the plate HI-V filter caps.
> > > > >
> > > > > b
> > > > >
> > > > > --- dr7zyq <dr7zyq@...> wrote:
> > > > >
> > > > > >
> > > > > > Looking back, it appears that the problem
> was
> > > > > > intermittent at brief
> > > > > > intervals. On the air reports were: "You
> got
> > > > > > something cutting out." and,
> > > > > > "Your signal is motorboating."..... etc.
> > > When I
> > > > > > switch the meter over to
> > > > > > "Voltage" it reads only 50 or 60% of what
> it
> > > should
> > > > > > be.
> > > > > >
> > > > > >
> > > > > > ----- Original Message -----
> > > > > > From: "Bill K0ZL" <coorsbill@...>
> > > > > > To: <TS-520_820_530_830@yahoogroups.com>
> > > > > > Sent: Saturday, November 06, 2004 1:51 PM
> > > > > > Subject: Re: [TS-520_820_530_830] TS-530SP
> > > problem
> > > > > > >
> > > > > > >
> > > > > > > If one of the high voltage caps fails,
> > > typically
> > > > > > you
> > > > > > > will see 1/2 of the normal plate voltage
> or
> > > about

> > > > > > 430
> > > > > > > volts. And a lot of hummmmmmm.. guys
> will
> > > complain
> > > > > > > that your audio is distorted and you
> will
> > > only get
> > > > > > > about 30 watts out.
> > > > > > >
> > > > > > > When you say it "won't transmit
> properly",
> > > what
> > > > > > > exactly do you mean? Describe.
> > > > > > > >
> > > > > > > b
> > > > > > >
> > > > > > > --- dr7zyq <dr7zyq@...> wrote:
> > > > > > >
> > > > > > > >
> > > > > > > My TS-530SP was operating like a champ
> and
> > > > > > then!!
> > > > > > > The high voltage
> > > > > > > has plummeted to around 600 and it
> won't
> > > > > > transmit
> > > > > > > properly.
> > > > > > > >
> > > > > > > Any ideas?
> > > > > > >
> > > > > > > Thanks,
> > > > > > >
> > > > > > > David, WA7ZYQ
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > =====
> > > > > > >
> > > > > > "If in doubt, MODIFY" --k0zl
> > > > > > >
> > > > > > Need a tech? See our website
> > > > > > www.amateur-repairs.com
> > > > > > >
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> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > > __________________________________
> > > > > > > Do you Yahoo!?
> > > > > > > Check out the new Yahoo! Front Page.
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> > > > > =====
> > > > >
> > > > > "If in doubt, MODIFY" --k0zl
> > > > >
> > > > > Need a tech? See our website
> > > www.amateur-repairs.com
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> > > > > __________________________________
> > > > > Do you Yahoo!?
> > > > > Check out the new Yahoo! Front Page.
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>
=== message truncated ===

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2775. Re: [TS-520_820_530_830] re: Replacing HV Caps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-12 11:53:46 UTC
From: Bill K0ZL
Topic: 2772 Message: 2775

Usual HV safety warnings, you know, heed them or die,
that kind of stuff.

Make a drawing of where everything goes.

You don't need equalizing resistors with the new ones;
but I do recommend new disk filter caps in parallel,
same value as the old ones, or anything from 470 pf to
0.001, 1Kv will do. Make sure they are the same type
and value as they are in a doubler ckt.

The wires you can unsolder, or just cut them; put in
new jumper wire if it's not long enough. The other
wires are long enough to give you a pigtail so you
don't have to sweat unsoldering them if you don't want
to.

Watch your polarity as you take the old ones out.

b

--- Phono-Guy <taephono@...> wrote:

> How difficult is it to replace these caps...
> I have a few rigs that the time has come to do this.
> Any precautions, hints/kinks you can provide
> appreciated...
>
> 73,
> Clint -WS1V
>
>
> > Message: 2
> > Date: Wed, 10 Nov 2004 15:29:19 -0800 (PST)
> > From: Eric Webner <ka8fan@...>
> > Subject: Re: TS-530SP problem
> >
> > Congratulations!
> >
> > Eric
> >
> > dr7zyq <dr7zyq@...> wrote:
> > Replaced the HV caps and rig is perking!
> >
> > Thanks for the help.
> >
> > David, WA7ZYQ

> >
>
>
>
>
> _____
> Do you Yahoo!?
> Check out the new Yahoo! Front Page.
> www.yahoo.com
>
>
>

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"If in doubt, MODIFY" --k0zl

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2776. Re: SLOW SSB RETURN TO RECEIVE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-13 18:44:54 UTC
From: pchapman9202003
Topic: 2503 Message: 2776

Would suspect T/R relay

--- In TS-520_820_530_830@yahoogroups.com, neoshomi@y... wrote:
>
> --- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003"
> <p_chap@b...> wrote:
> >
> > which rig?
> >
> > --- In TS-520_820_530_830@yahoogroups.com, neoshomi@y... wrote:
> > >
> > > After xmt it takes a few seconds ro return to receive when I
> unkey
> > > the mic. Don't see a reference in the owners manual. Jerry
> AC0AJ
> >
> 820S is the rig and it takes about 5 seconds which causes me to
lose
> responses.

2777. TS-830S Display Dim

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-14 13:58:16 UTC
From: k0tlg
Topic: 2777 Message: 2777

I have just picked up a TS-830. The digital display is dim and some of the segments are barely visible.

Just wondering if this is a common problem. Is it most likely the display or the associated circuts. Are the display modules available anywhere.

Thanks for the help

Tom Guntzel
K0TLG

2778. TS-830s Display Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-14 14:48:37 UTC
From: Tom Guntzel
Topic: 2778 Message: 2778

I have just picked up a TS-830. The digital display is dim and some
of the segments are barely visible.

Just wondering if this is a common problem. Is it most likely the
display or the associated circuits. Are the display modules available
anywhere.

Thanks for the help

Tom Guntzel
K0TLG

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.779 / Virus Database: 526 - Release Date: 10/19/2004

[Non-text portions of this message have been removed]

2779. Neutralization of 6146 Tubes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-18 19:16:02 UTC
From: sharpie1241
Topic: 2779 Message: 2779

Would anyone please tell me the process of netralization of the final tubes in an TS 820S. Thanks for the help.

Gene
KC4FM

2780. Re: [TS-520_820_530_830] Neutralization of 6146 Tubes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-18 20:09:05 UTC
From: Richard Harris
Topic: 2779 Message: 2780

Gene,

Operator and Service Manuals can be downloaded from
http://www.mods.dk/view.php?ListManuals=kenwood. Its a slow site and can
take a while. I haven't read either of these, but neutralization will be
covered.

73s,

Richard G3OTK

At 19:16 18/11/2004 +0000, you wrote:

>Would anyone please tell me the process of netralization of the final
>tubes in an TS 820S. Thanks for the help.
>
>Gene
>KC4FM
>
>
>
>
>Yahoo! Groups Sponsor
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><http://us.ard.yahoo.com/SIG=129o9lhi6/M=298184.5584357.6650215.3001176/D=groups/S=1705063108:HM/EXP=1100891833/A=2434971/R=0/SIG=11eeoolb0/*http://www.netflix.com/Default?mqso=60185400>19b554c.jpg
>19b55ba.jpg
>
>
>----------
>Yahoo! Groups Links
> * To visit your group on the web, go to:
> *
> <http://groups.yahoo.com/group/TS-520_820_530_830/>http://groups.yahoo.com/group/TS-520_820_530_830/
>
> *
> * To unsubscribe from this group, send an email to:
> *
> <mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> *
> * Your use of Yahoo! Groups is subject to the
> <http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

Richard Harris
PIPS Technology Ltd,
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School Lane,
Chandlers Ford,
Eastleigh
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United Kingdom

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[Non-text portions of this message have been removed]

2781. Re: [TS-520_820_530_830] Neutralization of 6146 Tubes

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 00:59:32 UTC
From: Bill K0ZL
Topic: 2779 Message: 2781

Gene, the first step is to determine if yours needs
it.

What are you observing there?

bill

--- sharpie1241 <kc4fm@...> wrote:

>
> Would anyone please tell me the process of
> netralization of the final
> tubes in an TS 820S. Thanks for the help.
>
> Gene
> KC4FM
>
>
>
>

=====

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2782. inrad filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 03:51:45 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2779 Message: 2782

After searching high and low for a yg3395-c CW filter for my 520s, I stumbled upon INRAD : http://www.qth.com/inrad/index.htm

Has anyone had any experience with their filters? $98 bucks seems like a lot but if that is the only game in town, than pay I will. Any opinions on Inrad filters would be appreciated.

TNX

Sean - WA2LKV

2783. Neutralization of 6146's TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 04:47:29 UTC
From: sharpie1241
Topic: 2783 Message: 2783

I just bought the radio and it kept blowing fuses. Replaced fuse, then checked the tubes. One of the 6146 tubes was bad. When buying this radio I also received four 6146W Tubes. And I know I need to neutralize the tubes before trying to trasmit. I Need to know the exact process step by step of how this should be accomplished. The manual and service manual do not make this process very clear.

Thanks

KC4FM
Gene

2784. Re: inrad filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 14:17:59 UTC
From: PERRY
Topic: 2779 Message: 2784

Sean
Inrad is a very good company and the filters are rated as good to great by hams all over the world Plus They will let you return any filter that you are unhappy about no question asked...

Perry

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@h...> wrote:
> After searching high and low for a yg3395-c CW filter for my 520s, I
> stumbled upon INRAD : http://www.qth.com/inrad/index.htm
>
> Has anyone had any experience with their filters? $98 bucks seems like a lot
> but if that is the only game in town, than pay I will. Any opinions on Inrad
> filters would be appreciated.
>
> TNX
>
> Sean - WA2LKV

2785. Re: [TS-520_820_530_830] inrad filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 15:21:24 UTC
From: Bill K0ZL
Topic: 2779 Message: 2785

Inrad filters are incredible, you will be very happy
with it.

bill

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> After searching high and low for a yg3395-c CW
> filter for my 520s, I
> stumbled upon INRAD :
> http://www.qth.com/inrad/index.htm
>
> Has anyone had any experience with their filters?
> $98 bucks seems like a lot
> but if that is the only game in town, than pay I
> will. Any opinions on Inrad
> filters would be appreciated.
>
> TNX
>
> Sean - WA2LKV
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2786. Re: inrad filters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 15:28:53 UTC
From: Walter A. Breining
Topic: 2779 Message: 2786

Sean:
I like cats. Beautiful calico is lying on my computer monitor as I speak.

I purchased an INRAD model 88 filter (2800 Hz B/W) for my TS-820 that I bought for $45.00 and restored. Everybody including myself thought I was crazy to spend over $100.00 with shipping on a filter for a $45.00 radio. My original purpose was to gain an extra 400 Hz and extend the bottom end of my audio down to 100 Hz as the roll-off at 400 Hz bugged me. I chose 2800 Hz because I didn't want to be way wide, just add a bit of lows.

When I installed it I swept the rig with an audio generator and adjusted the carrier oscillators so the drop was 6 dB from the center at 100 Hz. I had to readjust the carrier balance also.

I was completely blown away at the unexpected improvement on receive. It was way clearer and seemed more stable but yet I did not have an increase in adjacent frequency problems. As a matter of fact I think it is better.

I worked on another TS 820 with the stock filter for a friend and while I had it I compared it with mine. This was NOT my imagination. What I observed was real.

I don't attribute this to the extra 400 Hz bandwidth. This filter has an extra pole and the skirts are sharper. It also has very good quality control and has very little ripple across the top of its curve. I believe my ultimate transmit bandwidth as well as receive is less than with my old filter because the skirts roll off so rapidly.

Since you are looking for a CW filter, realignment of the oscillators probably will not be necessary. If all of their filters are of this quality, they are well worth the money.

Wish they made one to replace the 2.4 filter in my Ten Tec Paragon transmitter. I now use my 820 more.

Vy 73, Walt N9WB
No I don't work for INRAD

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@h...> wrote:
> After searching high and low for a yg3395-c CW filter for my 520s, I

> stumbled upon INRAD : http://www.qth.com/inrad/index.htm
>
> Has anyone had any experience with their filters? $98 bucks seems
like a lot
> but if that is the only game in town, than pay I will. Any opinions
on Inrad
> filters would be appreciated.
>
> TNX
>
> Sean - WA2LKV

2787. Re: [TS-520_820_530_830] Neutralization of 6146's TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 15:41:18 UTC
From: Bill K0ZL
Topic: 2783 Message: 2787

OK Gene, yep could be bad tube.

You can fire the radio up without tubes to see if it still blows fuses, before putting new ones in.

There may also be some damage to the screen resistors but we will deal with that later.

OK guys let's write a FAQ or procedure for neutralizing... I will present my method, y'all can add to it if you want.

There are several ways to neutralize finals in any hybrid radio (Yaesu or Kenwood). Here is the way that I have found to be easiest and fastest:

Make sure you have a dummy load connected to the rig.

You will also need a screwdriver with an insulated shaft, blade about 1/8" wide, shaft at least 4" long.

WARNING: THIS PROCEDURE REQUIRES CONTACT WITH LIVE ELECTRICAL PARTS USING AN INSULATED TOOL. DO NOT PROCEDE IF YOU ARE UNFAMILIAR WITH THE SAFETY PRECAUTIONS IN WORKING WITH HIGH VOLTAGE. THIS EQUIPMENT CAN CAUSE SERIOUS INJURY OR DEATH.

Unplug the radio and reemove the bottom cover(s) to expose the lower part of the PA enclosure. Locate the neutralizing capacitor. This will be a small air-variable capacitor, usually mounted on the floor of the PA enclosure with the screwdriver shaft pointing downwards. Carefully attempt to turn this screwdriver shaft with your insulated screwdriver. Free up the capacitor as needed BEFORE powering up the rig.

Also check to see that the screwdriver shaft is sufficiently insulated to prevent contact with other components, chassis ground, or yourself. On some rigs you may need to move components slightly to make things more accessible.

Once you have your bearings and the neutralizing capacitor can easily and safely be turned, power up the rig.

Tune the rig for low power on 20 meters, keeping plate current below 150 mA. Quickly tune the PLATE control for dip; adjust the loading control so that the dip is noticeable but not too sharp.

OBSERVE the plate current dip as you rotate the PLATE TUNE control. It should rise smoothly on either side of the dip, and it should rise about the same amount on either side. If so, NO FURTHER ADJUSTMENTS ARE NEEDED; the rig is neutralized.

If not, notice which side of resonance the plate current rises the most. Adjust the neutralizing capacitor to equalize the rise on either side of the plate current dip.

NOTE: This procedure should be done with ONE HAND AT A TIME; in other words, TUNE the plate; let go, then adjust the neutralizing cap with the other; let go, then TUNE the plate again. This will keep the current paths through your body to a minimum in case of a mishap (the old keep-one-hand-in-your-pocket trick will work too).

Once the plate current rise on either side of the dip has been approximately equalized with the neutralization adjustment, tune the rig for max output into the dummy load.

Now rotate the PLATE TUNE control through the dip, and see if the rig RF OUTPUT is maximum when the plate current is at minimum, or very close to it. If so, the neutralization process is complete.

If not, touch up the neutralizing capacitor as needed to make it so.

Plate current at maximum rig output should dip from ten to 15 percent. This indicates peak efficiency for the pi network and longest life for the tubes.

Check also the plate voltage at max output, by using the rig's built in hi-v meter (if supplied) or by SAFELY measuring the plate voltage (do this only OUTSIDE of the PA enclosure; do NOT measure at the top of the plate choke or you will destroy your meter and possibly yourself). Plate voltage should not drop more than 10-15 percent at full output.

Now check neutralization on 15 and 10 meters using the methods outlined above (either RF output maximum coinciding with plate current minimum; or plate current rise on either side of the dip being about

equal). There should be no huge difference. If there
is, AND if one of those is your favorite band, re-do
the procedure on that band. Some rigs do show a
difference from band to band and it's best to
neutralize on your favorite band if that is
preferable).

73

Bill K0ZL

--- sharpie1241 <kc4fm@...> wrote:

>
> I just bought the radio and it kept blowing fuses.
> Replaced fuse,
> then checked the tubes. One of the 6146 tubes was
> bad. When buying
> this radio I also received four 6146W Tubes. And I
> know I need to
> neutralize the tubes before trying to trasmit. I
> Need to know the
> exact process step by step of how this should be
> accomplished. The
> manual and service manual do not make this process
> very clear.
>
> Thanks
>
> KC4FM
> Gene
>
>
>
>

=====

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2788. Re: [TS-520_820_530_830] Neutralization of 6146's TS-820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 15:42:09 UTC
From: Bill K0ZL
Topic: 2783 Message: 2788

On the neutralization doc; if anyone has good clear
pics of neut caps in typical rigs, send them to me and
I will include them in the PDF I am writing.

b

--- sharpie1241 <kc4fm@...> wrote:

>
> I just bought the radio and it kept blowing fuses.
> Replaced fuse,
> then checked the tubes. One of the 6146 tubes was
> bad. When buying
> this radio I also received four 6146W Tubes. And I
> know I need to
> neutralize the tubes before trying to trasmit. I
> Need to know the
> exact process step by step of how this should be
> accomplished. The
> manual and service manual do not make this process
> very clear.
>
> Thanks
>
> KC4FM
> Gene
>
>
>
>

=====

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2789. Controlling output power

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 15:29:47 UTC
From: stevemp@storm.ca
Topic: 2789 Message: 2789

Please excuse my ignorance as the tube rigs are new to me....

I was wondering what the recommended method of controlling output power is for the 820S.

Do I just adjust the drive?

Thanks,
Steve
VA3SPX

2790. 820s display

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-19 19:27:15 UTC
From: tetrodehead
Topic: 2790 Message: 2790

My new old TS-820s arrived and it's been fine for 3days.
It looks new outside and inside. No dust bunnies or debris inside.
The finals are still S2001A. No mods.

The digital display has suddenly stopped showing the tuned frequency
and instead cycles 9.000.0 thru 9.003.9 then starts over.
Changing bands changes the diplay from 9. to 19. to 29.

I've opened and closed all top connectors but NBG.
The radio tunes normally across the bands.
Any ideas please?

2791. ts 830 problem on 18 mhz band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 03:02:01 UTC
From: cc cc
Topic: 2791 Message: 2791

My ts 830 receive dropped in sensitivity about 40 db on the 18 mhz band all other band position unaffected . Anyone have any clue, ? The bandswitch is ok
tnx

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[Non-text portions of this message have been removed]

2792. Re: [TS-520_820_530_830] ts 830 problem on 18 mhz band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 12:54:25 UTC
From: Bill K0ZL
Topic: 2791 Message: 2792

I would check the VCO injection level at TP3 on the RF
unit on 18Mhz compared to the other bands; start
there.

Use a simple RF probe.

If it's the same on all bands, your problem is on the
RF unit.

Bill

--- cc cc <beepo01880@...> wrote:

>
>
> My ts 830 receive dropped in sensitivity about 40 db
> on the 18 mhz band all other
> band position unaffected . Anyone have any clue, ?
> The bandswitch is ok
> tnx
>
>
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2793. TS 830s Porblem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 17:37:06 UTC
From: soresea
Topic: 2793 Message: 2793

Hello group new member here with a problem.I am trying to put my ts830 on the air,it loads up fine on cw 150watts no problem but when I switch to ssb only get about 40 out with mic gain wide open(mc50 mic).I have switched mics to D-104 with preamp with only a little more output.Any ideas...THANKS>>>GREAT GROUP....John

2794. RE: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 19:02:50 UTC
From: Dacia & Warren Brandt
Topic: 2732 Message: 2794

I used the Tarnex / Alcohol / Deoxit method last night, and it worked
wonders. The receiver really came to life.

Now for an alignment!

Thanks,
Warren - KC0U.

>
>
> It sounds like your new rig needs a good cleaning.
> Potentiometers can be
> cleaned with De-oxit (R) spray contact cleaner.
> Spray it inside the pot,
> then work the control back and forth several times.
> Obviously, do it when
> the radio is powered down, and let it sit about a
> day before you power it
> back up.
>
> If the wafer switches are particularly bad (i.e.
> contacts are black
> instead of silver), I refer you to the following
> link:
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
> While this cleaning technique is on a Drake
> website, it should apply to
> any wafer switch. I did this recently to a Drake
> T-4XC transmitter, and it
> worked great! Check it out.
>
> If you have any other questions, feel free to type
> again.
>
> 73,
>
> Eric
>
>

[Non-text portions of this message have been removed]

2795. Re: [TS-520_820_530_830] TS 830s Porblem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 22:35:07 UTC
From: Alan Wolke
Topic: 2793 Message: 2795

If you are using a typical average reading wattmeter, this is normal. You will only see the full PEP output in SSB if you have a decent peak-reading power meter (or a scope). If you are seeing some ALC action, you are likely reaching full power out.

73,
Alan W2AEW

soresea wrote:

>
> Hello group new member here with a problem.I am trying to put my
> ts830 on the air,it loads up fine on cw 150watts no problem but when
> I switch to ssb only get about 40 out with mic gain wide open(mc50
> mic).I have switched mics to D-104 with preamp with only a little
> more output.Any ideas...THANKS>>>GREAT GROUP....John
>
>

2796. Re: [TS-520_820_530_830] TS 830s Porblem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-21 23:30:02 UTC
From: Bill K0ZL
Topic: 2793 Message: 2796

Hi John,

When you "whistle up" (whistle across the mic, not
into it) and into a dummy load, "watt" do you see for
output?

b

--- soresea <porthole01@...> wrote:

>
> Hello group new member here with a problem.I am
> trying to put my
> ts830 on the air,it loads up fine on cw 150watts no
> problem but when
> I switch to ssb only get about 40 out with mic gain
> wide open(mc50
> mic).I have switched mics to D-104 with preamp with
> only a little
> more output.Any ideas...THANKS>>>GREAT GROUP....John
>
>
>
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>

=====

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2797. RE: [TS-520_820_530_830] scratchy controls

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-22 01:50:18 UTC
From: Eric Webner
Topic: 2732 Message: 2797

Congratulations! I am glad it worked out so well for you, and glad I could help!

73,

Eric KA8FAN

Dacia & Warren Brandt <wabrand@...> wrote:
I used the Tarnex / Alcohol / Deoxit method last night, and it worked
wonders. The receiver really came to life.

Now for an alignment!

Thanks,
Warren - KC0U.

>
>
> It sounds like your new rig needs a good cleaning.
> Potentiometers can be
> cleaned with De-oxit (R) spray contact cleaner.
> Spray it inside the pot,
> then work the control back and forth several times.
> Obviously, do it when
> the radio is powered down, and let it sit about a
> day before you power it
> back up.
>
> If the wafer switches are particularly bad (i.e.
> contacts are black
> instead of silver), I refer you to the following
> link:
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
> While this cleaning technique is on a Drake
> website, it should apply to
> any wafer switch. I did this recently to a Drake
> T-4XC transmitter, and it
> worked great! Check it out.
>
> If you have any other questions, feel free to type
> again.
>
> 73,
>
> Eric
>

>

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2798. Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 01:34:39 UTC
From: jb2625
Topic: 2798 Message: 2798

Hi all new to the group. can anybody help me with a 820s that will not tx.. the rx is fine. I have no iddle current at all.. but show high voltage according to meter on radio it show abt 800 volts. abt 2 years ago The radio tx just fine.It has been a long time since I worked with tube radios and must have forgotten all I know hi hi..any help wud be Great!! tnx Jim KD4LOW.

2799. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 02:00:44 UTC
From: Mike kd8q
Topic: 2798 Message: 2799

GE Jim,
You did not specify what position the mode switch was in. Make sure you are in "Tune" mode when checking for idle current. You do have "Heater" on right? Check to make sure the switch marked "SG" right side back panel is on. Try this: Dummy load attached, Drive and Load controls centered,Plate control centered on band the band switch is on, Mic and Car control fully CCW, mode switch in Tune position. Now with meter switch set to read "IP" put send/rx switch in the send position for a moment and see if you have idle current. If not then you have a problem somewhere. Do you have a operators manual? Let us know if this helps!

Vy 73,
Mike kd8q
--- jb2625 <kd4low@...> wrote:

>
> Hi all new to the group. can anybody help me with a
> 820s that will
> not tx.. the rx is fine. I have no iddle current at
> all.. but show
> high voltage according to meter on radio it show abt
> 800 volts. abt 2
> years ago The radio tx just fine.It has been a
> long time since I
> worked with tube radios and must have forgotten all
> I know hi
> hi..any help wud be Great!! tnx Jim KD4LOW.
>
>
>
>

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2800. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 02:32:49 UTC
From: Bill K0ZL
Topic: 2798 Message: 2800

All together now.. 1... 2.. 3!

"Check the SG switch in the back of the rig, and make
sure that it is ON"...

OK Thanks guys.

Bill K0ZL

--- jb2625 <kd4low@...> wrote:

>
> Hi all new to the group. can anybody help me with a
> 820s that will
> not tx.. the rx is fine. I have no iddle current at
> all.. but show
> high voltage according to meter on radio it show abt
> 800 volts. abt 2
> years ago The radio tx just fine.It has been a
> long time since I
> worked with tube radios and must have forgotten all
> I know hi
> hi..any help wud be Great!! tnx Jim KD4LOW.
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>

=====

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2801. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 03:22:21 UTC
From: kd4low@aol.com
Topic: 2798 Message: 2801

Hi everybody, Tnx for all the quick help!!...sorry I forgot to mention That I checked the sg swith it is on... also have heater on and wuz readin HV on the Hv setting of the meter, no tx in in the tune mode and no plate iddle current..Also t/r relay seem to be working do not have service manual,but do have the tune up guide... wuz just wondering whay it wud not tx after setting for 2 years..cud it be bad 12by7a driver.. also has GE 6146B PA tubes....Or cud it be somthing else. any more help wud be Great!!! Happy Tnaksgiving es 73 to alll Tnx Jim...

[Non-text portions of this message have been removed]

2802. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 10:44:43 UTC
From: Briggs Longbothum
Topic: 2798 Message: 2802

Okay Jim, we're on it!
Even if the 6146Bs and 12BY7A do light up and get warm, Let's try one more simple thing before the real work begins.
Remove the tubes (being very careful!) and reinstall them a few times each! It's possible you have a bad tube-socket connection(s), so look closely at the tube pins for telltale sign or corrosion, excess dirt, etc. See if the sockets are clean too. If either need cleaning, try the contact cleaning approach as described on the Drake site.

http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm

Lemme know if this helps.

Gobble gobble,
Briggs, ab2nj

kd4low@... wrote:
>
> Hi everybody, Tnx for all the quick help!!...sorry I forgot to
> mention That
> I checked the sg swith it is on... also have heater on and wuz readin
> HV on
> the Hv setting of the meter, no tx in in the tune mode and no plate
> iddle
> current..Also t/r relay seem to be working do not have service
> manual,but do have
> the tune up guide... wuz just wondering whay it wud not tx after
> setting for 2
> years..cud it be bad 12by7a driver.. also has GE 6146B PA tubes....Or
> cud it be
> somthing else. any more help wud be Great!!! Happy Tnaksgiving es 73
> to
> alll Tnx Jim...
>
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2803. Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 12:39:36 UTC
From: Walter A. Breining
Topic: 2798 Message: 2803

Jim:

Here are some stupid pet tricks to try before you open the rig up.

Place meter switch in ALC mode and in the tune position peak the drive control. Do you get any indication?

Go to the Ip meter position. You said that there was no idle current with the rig keyed. Exercise the SG switch on back up and down a few times, be sure to leave it back up and check for Idle current again. It might be dirty.

In still none, locate the bias control on the rear next to the SG switch and mark it's position with a marker or pencil. Move this back and forth while transmitting and see if you start getting idle current. If not return it to the original position. It might have been dirty.

If still no go, check to see if the 6146 filaments are lit. You probably will be able to peak through the vents without removing the final cover. You may even be able to observe this through the fan opening without taking anything apart. Try turning the room lights off.

Let us know what you find.

A word of CAUTION, If you do go into the final section, there is High Voltage even when receiving. After unplugging radio there may still be voltage on the tube plates. With the transceiver unplugged, wait a few minutes, and short the top contact of the plate choke to ground with a metal screwdriver, while touching only the plastic screwdriver handle.

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "jb2625" <kd4low@a...> wrote:
>
> Hi all new to the group. can anybody help me with a 820s that will
> not tx.. the rx is fine. I have no iddle current at all.. but show
> high voltage according to meter on radio it show abt 800 volts. abt
2
> years ago The radio tx just fine.It has been a long time since I
> worked with tube radios and must have forgotten all I know hi
> hi..any help wud be Great!! tnx Jim KD4LOW.

2804. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 12:54:08 UTC
From: Bill K0ZL
Topic: 2798 Message: 2804

Either bad 6146 tubes; or bad screen resistors, failed
because of bad tubes; or bad dropping resistor on the
power supply RECT unit for the 220v to the screens; or
broken wire at the very top of the plate choke.

bill

--- kd4low@... wrote:

> Hi everybody, Tnx for all the quick help!!...sorry
> I forgot to mention That
> I checked the sg swith it is on... also have heater
> on and wuz readin HV on
> the Hv setting of the meter, no tx in in the tune
> mode and no plate iddle
> current..Also t/r relay seem to be working do not
> have service manual,but do have
> the tune up guide... wuz just wondering whay it wud
> not tx after setting for 2
> years..cud it be bad 12by7a driver.. also has GE
> 6146B PA tubes....Or cud it be
> somthing else. any more help wud be Great!!! Happy
> Tnaksgiving es 73 to
> alll Tnx Jim...
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2805. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 13:05:49 UTC
From: Bill K0ZL
Topic: 2798 Message: 2805

All due respect; I have never seen these sockets fail;
esp not two at a time.

Also I don't recommend spraying or otherwise applying
any sort of cleaner to transmitting tube sockets; it
will increase the chance of attracting airborne dust
and subsequent breakdown of the socket insulating
material.

I would favor investigation with a voltmeter, checking
screen voltages first; and then visual inpection of
the plate choke; these are pretty fine wiring on these
things and simply changing tubes can sometimes break
the wire at the top of the choke form, if it's
stressed just right. I have found two of these failed
so far.

bill K0ZL

--- Briggs Longbothum <ab2nj@...> wrote:

> Okay Jim, we're on it!
> Even if the 6146Bs and 12BY7A do light up and get
> warm, Let's try one
> more simple thing before the real work begins.
> Remove the tubes (being very careful!) and reinstall
> them a few times
> each! It's possible you have a bad tube-socket
> connection(s), so look
> closely at the tube pins for telltale sign or
> corrosion, excess dirt,
> etc. See if the sockets are clean too. If either
> need cleaning, try
> the contact cleaning approach as described on the
> Drake site.
>
>
http://www.wb4hfn.com/DrakeArticles/CleaningSwitches/CleaningSwitches.htm
>

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2806. Re: [TS-520_820_530_830] Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-23 17:59:26 UTC
From: dennis hatch
Topic: 2798 Message: 2806

Turn on the sreen voltage switch on the back of the radio.

_____
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2807. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 04:12:44 UTC
From: kd4low@aol.com
Topic: 2798 Message: 2807

Hi all, sorry to be a bother again.I tried all u guys advice but she still wont tx...the PAs wont lite, but the driver will..looked for screen res open but they all look gud..(what i think r the resistors HI HI).. can not tell without a manual.. but I think frm looking at the final unit they might be P3 of the 6146....also maybe P2and P1 r the fil..voltage.. also can u tell me where that comes frm......been a long time since I played with the tube stuff.... but I do love it, already learend alot...U guys been alot of help getting me bck to my days as a kid..I shue hope to catch u guys on the air..(when I get this rig going HI HI)......73...es Happy Thanksgiving to all ... Jim..Kd4low

[Non-text portions of this message have been removed]

2808. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 12:30:26 UTC
From: Bill K0ZL
Topic: 2798 Message: 2808

Hey I thought the PA filaments were on.. but they
arent. That's why no plate current, my goodness.

I think the 820 had a acc plug in the back that made
the filament circuit when you weren't using the
transverter, no? someone correct me on that.

Anyway you will be t'shooting your filament
circuits...

b

--- kd4low@... wrote:

> Hi all, sorry to be a bother again.I tried all u
> guys advice but she still
> wont tx...the PAs wont lite, but the driver
> will..looked for screen res open but
> they all look gud..(what i think r the resistors HI
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> without a manual.. but I think frm looking at the
> final unit they might be P3 of the
> 6146....also maybe P2and P1 r the fil..voltage..
> also can u tell me where
> that comes frm......been a long time since I played
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> do love it, already learend alot...U guys been alot
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> my days as a kid..I shue hope to catch u guys on the
> air..(when I get this
> rig going HI HI).....73...es Happy Thanksgiving to
> all ... Jim..Kd4low
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>
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> removed]
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2809. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 13:26:25 UTC
From: Richard Harris
Topic: 2798 Message: 2809

Jim,

Heaters are in series so a failure of one heater puts both out.

Heater pins are 2 and 7 for 6146. See page 32 of Operator's Manual (or
download from www.mods.dk) fro schematic of PA.

Richard G3OTK

At 23:12 23/11/2004 -0500, you wrote:
>Hi all, sorry to be a bother again.I tried all u guys advice but she still
>wont tx...the PAs wont lite, but the driver will..looked for screen res
>open but
>they all look gud..(what i think r the resistors HI HI).. can not tell
>without a manual.. but I think frm looking at the final unit they might be
>P3 of the
>6146....also maybe P2and P1 r the fil..voltage.. also can u tell me where
>that comes frm......been a long time since I played with the tube
>stuff.... but I
>do love it, already learend alot...U guys been alot of help getting me bck to
>my days as a kid..I shue hope to catch u guys on the air..(when I get this
>rig going HI HI).....73...es Happy Thanksgiving to all ... Jim..Kd4low
>
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>[Non-text portions of this message have been removed]
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><http://us.ard.yahoo.com/SIG=1299g2db7/M=296572.5585671.6651487.3001176/D=groups/S=170506
3108:HM/EXP=1101355974/A=2343726/R=0/SIG=12igu29t3/*http://clk.atdmt.com/VON/go/yhxxxvon01
900091von/direct/01/&time=1101269574146210>12d1f86.jpg
><http://us.ard.yahoo.com/SIG=1299g2db7/M=296572.5585671.6651487.3001176/D=groups/S=170506
3108:HM/EXP=1101355974/A=2343726/R=1/SIG=12igu29t3/*http://clk.atdmt.com/VON/go/yhxxxvon01
900091von/direct/01/&time=1101269574146210>
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[Non-text portions of this message have been removed]

2810. TS830S/AT250

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 19:19:06 UTC
From: jimbart
Topic: 2810 Message: 2810

Anything in particular to look for (or look out for!) when using these together? There's no reference to either in the literature of the other & I'm wondering if the AT250's ACCessory cable is a direct connect to the TS830's REMOTE jack, or if it's limited to a coax connection.

2811. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 19:14:21 UTC
From: Richard Harris
Topic: 2798 Message: 2811

Bill,

From schematic in TS820 Operator's Manual, the heater winding from the transformer goes to pin 10 of the power connector. It is jumpered via the mating connector (the one with the AC power cord) back onto pin 7 and then it goes to the heater switch and on to the driver and PA heaters. It is connected to pin 4 of the VFO connector but not to the remote or Xverter connectors.

I suggest Jim checks that pin 7 is connected to pin 10 in the power connector on the end of the mains cord.

73s

Richard G3OTK

At 04:30 24/11/2004 -0800, you wrote:
>Hey I thought the PA filaments were on.. but they
>arent. That's why no plate current, my goodness.
>
>I think the 820 had a acc plug in the back that made
>the filament circuit when you weren't using the
>transverter, no? someone correct me on that.
>
>Anyway you will be t'shooting your filament
>circuits...
>
>b
>
>--- kd4low@... wrote:
>
> > Hi all, sorry to be a bother again.I tried all u
> > guys advice but she still
> > wont tx...the PAs wont lite, but the driver
> > will..looked for screen res open but
> > they all look gud..(what i think r the resistors HI
> > HI).. can not tell
> > without a manual.. but I think frm looking at the
> > final unit they might be P3 of the
> > 6146....also maybe P2and P1 r the fil..voltage..
> > also can u tell me where
> > that comes frm......been a long time since I played
> > with the tube stuff.... but I
> > do love it, already learend alot...U guys been alot
> > of help getting me bck to
> > my days as a kid..I shue hope to catch u guys on the

> > air..(when I get this
> > rig going HI HI).....73...es Happy Thanksgiving to
> > all ... Jim..Kd4low
> >
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> >
> > [Non-text portions of this message have been
> > removed]
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900091von/direct/01/&time=1101299474557549>26bac09.jpg
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2812. Re: TS830S/AT250

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 19:23:30 UTC
From: jimbart
Topic: 2810 Message: 2812

Apologies!!! Seems I've failed to introduce myself:
My name is Jim, KE5CXX. I live in Oklahoma City and am building my shack around a TS830S, Icom IC730 and Yaesu FT2600M. I'm retread from many moons ago as WA2SWA.

--- In TS-520_820_530_830@yahoogroups.com, "jimbart" <jimb@h...> wrote:
>
> Anything in particular to look for (or look out for!) when using
> these together? There's no reference to either in the literature of
> the other & I'm wondering if the AT250's ACCessory cable is a direct
> connect to the TS830's REMOTE jack, or if it's limited to a coax
> connection.

2813. Re: [TS-520_820_530_830] Re: TS830S/AT250

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 19:27:45 UTC
From: Paul Manuel
Topic: 2810 Message: 2813

--- jimbart <jimb@...> wrote:
> Apologies!!! Seems I've failed to introduce myself:
> My name is Jim, KE5CXX. I live in Oklahoma City and am building my
> shack around a TS830S, Icom IC730 and Yaesu FT2600M. I'm retread from
> many moons ago as WA2SWA.

Hi Jim, welcome back!
The TS-830 and IC-730 are two of my all-time favorite radios!
73,
Paul K4PDM

_____
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2814. Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 20:14:55 UTC
From: Walter A. Breining
Topic: 2798 Message: 2814

The 12BY7 lights so the jumpers are there. By first guess is that one of the 6146's (S2001s) has an open filiment. Next I would check for bad solder at the filiment pins on the bottom of the board. Then I would check for a bad solder connection on the pins that the wires go to on the board.

Vy 73, Walt N9WB

> >--- kd4low@a... wrote:
> >
> > > Hi all, sorry to be a bother again.I tried all u
> > > guys advice but she still
> > > wont tx...the PAs wont lite, but the driver
> > > will. Jim..Kd4low
> > >
> > >
> > >
> > > [Non-text portions of this message have been
> > > removed]

2815. RE: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 10:50:39 UTC
From: Bill Gerhold
Topic: 2798 Message: 2815

I would suspect an open filament. I actually had a situation where
there was some sort of low resistance

filament short in the tube to some other part of the tube which resulted
in 12 volts across one tube. The

6146 lit up like a 100 watt bulb.

73 from K2WH

Hallicrafters, The Radio Mans Radio

<http://www.w9wze.org/> http://www.w9wze.org/

<http://groups.yahoo.com/group/The19Group/>
http://groups.yahoo.com/group/The19Group/

-----Original Message-----
From: Walter A. Breining [mailto:n9wb@...]
Sent: Thursday, November 25, 2004 1:15 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Re: Kenwood TS820s Help?

The 12BY7 lights so the jumpers are there. By first guess is that
one of the 6146's (S2001s) has an open filiment. Next I would check
for bad solder at the filiment pins on the bottom of the board. Then
I would check for a bad solder connection on the pins that the wires
go to on the board.

Vy 73, Walt N9WB

> >--- kd4low@a... wrote:
> >
> > > Hi all, sorry to be a bother again.I tried all u
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> > > wont tx...the PAs wont lite, but the driver
> > > will. Jim..Kd4low
> > >
> > >
> > >
> > > [Non-text portions of this message have been
> > > removed]

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D=groups/S=1705063108:HM/EXP=1101413763/A=2343726/R=0/SIG=12imo480q/*htt
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p:/clk.atdmt.com/VON/go/yhxxxvon01900091von/direct/01/&time=110132736341
2601>

<http://view.atdmt.com/VON/view/yhxxxvon01900091von/direct/01/&time=1101
327363412601>

<http://us.adserver.yahoo.com/l?M=281955.5600462.6665252.3001176/D=group
s/S=:HM/A=2343726/rand=286766648>

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[Non-text portions of this message have been removed]

2816. TS-830s serial numbers

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 20:14:12 UTC
From: Tom Guntzel
Topic: 2816 Message: 2816

Does anyone know the upper limit of TS-830s serial numbers and when they were produced according to that number.

I have one that is in the 4 million range and I really did not think they got that high.

Tnx es 73

Tom G
K0TLG

[Non-text portions of this message have been removed]

2817. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 23:18:37 UTC
From: kd4low@aol.com
Topic: 2798 Message: 2817

Thanks All & The Group!
For all your help and assistance. I think I got it. Changed a 6146 still no luck. So I went back and re-sweated all the joints that dealt with the filament circuit and BAM! There she was! The 6146 lit up!! But the other one didn't :-(
Now have plate current and will show abt 10 watts into dummy load, but I'm afraid to xmit much more than that. Anyone know of good place to get the 6146B for this ts-820? Any help will be greatly appreciated. Really enjoyed the experience. Maybe it's all coming back to me now thanks to you guys!
Happy Thanksgiving and best of 73's from Jim KD4LOW

[Non-text portions of this message have been removed]

2818. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-24 23:22:01 UTC
From: donii@sympatico.ca
Topic: 2798 Message: 2818

Now switch the finals to see if its the tube or circuitry that's faulty.

2819. Re: TS-830s serial numbers

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 01:50:05 UTC
From: jimbart
Topic: 2816 Message: 2819

--- In TS-520_820_530_830@yahoogroups.com, "Tom Guntzel"
<tom.guntzel@c...> wrote:
> Does anyone know the upper limit of TS-830s serial numbers and
when they were produced according to that number.
>
> I have one that is in the 4 million range and I really did not
think they got that high.
>
> Tnx es 73
>
> Tom G
> K0TLG
>
> [Non-text portions of this message have been removed]

That's way newer than mine: 2080050, originally purchased 24 June
1982.

2820. fearing the worst

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 03:17:42 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2820

So I bought an Inrad CW filter and was installing it tonight. Soldered leads to the filter, put the hot leads from the filter into the holes in the board, then I figured I would power up the radio and touch the ground leads to the ground post and listen for the difference. Well everything seemed to work for a minute but then I flinched and I think I bumped the ground leads against a pole labed "gen" ....a little spark and then silence...arghh!!!!!!!!!! The rig still lights up and when I flip the heater switch the mains light but it definitely seems like I fried something in the receiver section. Anyone have any guesses. Just my luck to kill my rig on the eve of the CW contest I bought the CW filter in preparation for. sigh

-Sean

WA2LKV

2821. Re: [TS-520_820_530_830] Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 04:11:01 UTC
From: Bill K0ZL
Topic: 2798 Message: 2821

Thanks for looking at that, Richard. My 820 manual is
downstairs and just not feeling well enough to go get
it.

waaaahhhhh

73,

Bill K0ZL

--- Richard Harris <rjharris@...> wrote:

> Bill,
>
> From schematic in TS820 Operator's Manual, the
> heater winding from the
> transformer goes to pin 10 of the power connector.
> It is jumpered via the
> mating connector (the one with the AC power cord)
> back onto pin 7 and then
> it goes to the heater switch and on to the driver
> and PA heaters. It is
> connected to pin 4 of the VFO connector but not to
> the remote or Xverter
> connectors.
>
> I suggest Jim checks that pin 7 is connected to pin
> 10 in the power
> connector on the end of the mains cord.
>
> 73s
>
> Richard G3OTK
>
> At 04:30 24/11/2004 -0800, you wrote:
> >Hey I thought the PA filaments were on.. but they
> >arent. That's why no plate current, my goodness.
> >
> >I think the 820 had a acc plug in the back that
> made
> >the filament circuit when you weren't using the
> >transverter, no? someone correct me on that.
> >
> >Anyway you will be t'shooting your filament
> >circuits...
> >

> >b
> >
> >--- kd4low@... wrote:
> >
> > > Hi all, sorry to be a bother again.I tried all u
> > > guys advice but she still
> > > wont tx...the PAs wont lite, but the driver
> > > will..looked for screen res open but
> > > they all look gud..(what i think r the resistors
> HI
> > > HI).. can not tell
> > > without a manual.. but I think frm looking at
> the
> > > final unit they might be P3 of the
> > > 6146....also maybe P2and P1 r the fil..voltage..
> > > also can u tell me where
> > > that comes frm......been a long time since I
> played
> > > with the tube stuff.... but I
> > > do love it, already learend alot...U guys been
> alot
> > > of help getting me bck to
> > > my days as a kid..I shue hope to catch u guys on
> the
> > > air..(when I get this
> > > rig going HI HI).....73...es Happy Thanksgiving
> to
> > > all ... Jim..Kd4low
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2822. Re: [TS-520_820_530_830] Re: TS830S/AT250

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 04:11:43 UTC
From: Bill K0ZL
Topic: 2810 Message: 2822

Hi Jim.

You have a very good station there!

73,

Bill K0ZL

--- jimbart <jimb@...> wrote:

>
> Apologies!!! Seems I've failed to introduce myself:
> My name is Jim, KE5CXX. I live in Oklahoma City and
> am building my
> shack around a TS830S, Icom IC730 and Yaesu FT2600M.
> I'm retread from
> many moons ago as WA2SWA.
>
> --- In TS-520_820_530_830@yahoogroups.com, "jimbart"
> <jimb@h...>
> wrote:
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> > Anything in particular to look for (or look out
> for!) when using
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2823. Re: [TS-520_820_530_830] fearing the worst

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 04:32:47 UTC
From: Bill K0ZL
Topic: 2816 Message: 2823

What rig model?

b
--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> So I bought an Inrad CW filter and was installing it
> tonight. Soldered leads
> to the filter, put the hot leads from the filter
> into the holes in the
> board, then I figured I would power up the radio and
> touch the ground leads
> to the ground post and listen for the difference.
> Well everything seemed to
> work for a minute but then I flinched and I think I
> bumped the ground leads
> against a pole labed "gen" ....a little spark and
> then
> silence...arghh!!!!!!!!!! The rig still lights up
> and when I flip the
> heater switch the mains light but it definitely
> seems like I fried something
> in the receiver section. Anyone have any guesses.
> Just my luck to kill my
> rig on the eve of the CW contest I bought the CW
> filter in preparation for.
> sigh
>
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> -Sean
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> WA2LKV
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"If in doubt, MODIFY" --k0zl

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2824. Re: Kenwood TS820s Help?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 12:16:15 UTC
From: Walter A. Breining
Topic: 2798 Message: 2824

First, as a precaution, tape up the ends of the plug that was plugged into the speaker on the top lid. This will keep this plug out of mischief. If it touches high voltage, you will hate it.

Unplug the radio; discharge the plate leads and put both finals back in. Turn the radio on and note, which tube glows. I'll bet it is
V1, the one nearest the front of the radio.

Unplug the radio, discharge the plate leads and swap tubes like Don suggested. Turn the radio on again and note which tube glows. I'll
bet it is still V1, the one nearest the front of the radio even with the tubes switched.

If not replace the tube that does not glow.

If it is Tube position V1 that glows both times proceed as follows.

Unplug the radio, discharge the plate leads and remove both finals.

Unplug the radio, discharge the plate leads and remove both final tubes. With the radio still off, check the foil on pin 7 V1 and Pin 2 of V2 for solder bridges. On the bottom of the final board there is a pin labeled H. 12V go into this pin. Foil runs from there to pin 2 of V1. Counting clockwise (board bottom) count to pin 7 of this same tube. With the tubes still removed, use an Ohmmeter, check the ohms from pin 7 V1 to ground. This should show an open circuit. (Infinite OHMS) If it shows a short, (low Ohms) again look carefully for solder bridges. If none are found, note that there is a .04 uf capacitor From Pin 7 V1 to ground. This is probably located on top of the board. Unsolder one end of it and again check the OHMS between pin V1 pin 7 and ground. If you now show infinite or very high ohms, C4 is shorted and should be replaced

How this circuit works:
On the bottom of the final board there is a pin labeled H. 12V go into this pin. Foil runs from there to pin 2 of V1. Counting clockwise count to pin 7 of this same tube. From this pin, a wire on the top of the board runs from this point (V1 Pin 7) to V2 pin 2. Also a .04 uf capacitor is connected from V1 pin 7 to ground. Pin 7 of V2 is connected to ground foil.

The filaments are in a series circuit. 12.6 VAC is applied to pin 2 V1 from pin H. This goes through the V1 filament and drops to ½ voltage (6.3 volt) to Pin 2 V2 by way of the wire on top of the board. This remaining 6.3 volts lights the filament of V2, by

flowing through it to V2 pin 7 that is grounded.

Let us know what you find. If it is not a solder bridge or C4 we will come up with something else.

By the way in the unlikely event that there would happen to be a resistor with a value of something like 6.2 Ohms connected to pin 7 V1 on the bottom of this board, stop and tell us. It has been modified for one tube operation. This is very unlikely however.

Vy 73, Walt N9WB

2825. Re: [TS-520_820_530_830] fearing the worst

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 13:08:01 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2825

Sorry, an important piece of info. TS-520s...it seams to be the same pretty
much on all bands...silence

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst
>Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
>
>
>What rig model?
>
>b
>--- "Sean.....He's the cat that won't cop out even
>when there's danger all about....."
><seanfried@...> wrote:
>
> > So I bought an Inrad CW filter and was installing it
> > tonight. Soldered leads
> > to the filter, put the hot leads from the filter
> > into the holes in the
> > board, then I figured I would power up the radio and
> > touch the ground leads
> > to the ground post and listen for the difference.
> > Well everything seemed to
> > work for a minute but then I flinched and I think I
> > bumped the ground leads
> > against a pole labed "gen" ....a little spark and
> > then
> > silence...arghh!!!!!!!!!! The rig still lights up
> > and when I flip the
> > heater switch the mains light but it definitely
> > seems like I fried something
> > in the receiver section. Anyone have any guesses.
> > Just my luck to kill my
> > rig on the eve of the CW contest I bought the CW
> > filter in preparation for.
> > sigh
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> > -Sean
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> > WA2LKV
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>"If in doubt, MODIFY" --k0zl
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2826. Re: [TS-520_820_530_830] fearing the worst

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 13:25:52 UTC
From: Bill K0ZL
Topic: 2816 Message: 2826

If a rig will not receive ANYTHING... you hear hiss
only, even with outside antenna connected or sig
generator cranked to max; the problem with ALWAYS be
either a power supply voltage missing to the receive
or IF circuits, or a dead VFO or local oscillator.

Even a PLL rig will receive something, even if it's
trash, if the VCO is out of lock.

So check your switched control voltages (8v or 12v
receive, coming off the T/R relay) and use the RF
probe to check your injection voltages to the RF unit
first, then the BFO oscillator on the IF unit.

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> Sorry, an important piece of info. TS-520s...it
> seams to be the same pretty
> much on all bands...silence
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst
> >Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
> >
> >
> >What rig model?
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> >--- "Sean.....He's the cat that won't cop out even
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> > > So I bought an Inrad CW filter and was
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> > > to the filter, put the hot leads from the filter
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> > > Just my luck to kill my
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2827. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 16:40:21 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2827

So I went back to the rig, a little less emotional this time. Here is additional information and observation

TS-520s

Rig lights up/powers on
Finals light when heater switch flipped
No sound of any kind from speaker with AF cranked (yes, speaker is connected)
VFO LED no longer lights
No meter deflection in tune, cw or ssb mode
I do not hear the T/R relay flip when I key down

Won't TX and won't RX. So...it seems pretty killed. I am no genius with repair and since I only got back in radio in September, have no test gear. Whatdya think?...besides next time I will be a lot more careful.

Thanks Bill for you insights, and to anyone else who takes the time to read this.

-Sean

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst
>Date: Thu, 25 Nov 2004 05:25:52 -0800 (PST)
>
>
>If a rig will not receive ANYTHING... you hear hiss
>only, even with outside antenna connected or sig
>generator cranked to max; the problem with ALWAYS be
>either a power supply voltage missing to the receive
>or IF circuits, or a dead VFO or local oscillator.
>
>Rig en a PLL rig will receive something, even if it's
>trash, if the VCO is out of lock.
>
>So check your switched control voltages (8v or 12v
>receive, coming off the T/R relay) and use the RF
>probe to check your injection voltages to the RF unit
>first, then the BFO oscillator on the IF unit.
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>b
>
>--- "Sean.....He's the cat that won't cop out even

>when there's danger all about....."
><seanfried@...> wrote:
>
> > Sorry, an important piece of info. TS-520s...it
> > seams to be the same pretty
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> > >From: Bill K0ZL <coorsbill@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] fearing the worst
> > >Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
> > >
> > >
> > >What rig model?
> > >
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> > guesses.
> > > > Just my luck to kill my
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2828. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 17:20:20 UTC
From: keith hanks
Topic: 2816 Message: 2828

Sean, no help from me, but lots of sympathy.
Keith

-----Original Message-----
From: "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@...>
Sent: Nov 25, 2004 8:40 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO

So I went back to the rig, a little less emotional this time. Here is additional information and observation

TS-520s

Rig lights up/powers on
Finals light when heater switch flipped
No sound of any kind from speaker with AF cranked (yes, speaker is connected)
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Won't TX and won't RX. So...it seems pretty killed. I am no genius with repair and since I only got back in radio in September, have no test gear. Whatdya think?...besides next time I will be a lot more careful.

Thanks Bill for you insights, and to anyone else who takes the time to read this.

-Sean

>From: Bill K0ZL <coorsbill@yahoo.com>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst
>Date: Thu, 25 Nov 2004 05:25:52 -0800 (PST)
>
>
>If a rig will not receive ANYTHING... you hear hiss
>only, even with outside antenna connected or sig
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>either a power supply voltage missing to the receive
>or IF circuits, or a dead VFO or local oscillator.
>
>Rig en a PLL rig will receive something, even if it's
>trash, if the VCO is out of lock.

>
>So check your switched control voltages (8v or 12v
>receive, coming off the T/R relay) and use the RF
>probe to check your injection voltages to the RF unit
>first, then the BFO oscillator on the IF unit.
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> >
> > >From: Bill K0ZL <coorsbill@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] fearing the worst
> > >Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
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> > ><seanfried@...> wrote:
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> > > > So I bought an Inrad CW filter and was
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2829. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 17:29:12 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2829

Hey thanks, thats more than I got from my wife!

>From: keith hanks <kwhanks@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
>Date: Thu, 25 Nov 2004 09:20:20 -0800 (GMT-08:00)
>
>Sean, no help from me, but lots of sympathy.
>Keith
>
>-----Original Message-----
>From: "Sean.....He's the cat that won't cop out even when there's danger
>all
> about....." <seanfried@...>
>Sent: Nov 25, 2004 8:40 AM
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
>
>
>So I went back to the rig, a little less emotional this time. Here is
>additional information and observation
>
>TS-520s
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>Rig lights up/powers on
>Finals light when heater switch flipped
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>connected)
>VFO LED no longer lights
>No meter deflection in tune, cw or ssb mode
>I do not hear the T/R relay flip when I key down
>
>Won't TX and won't RX. So...it seems pretty killed. I am no genius with
>repair and since I only got back in radio in September, have no test gear.
>Whatdya think?...besides next time I will be a lot more careful.
>
>Thanks Bill for you insights, and to anyone else who takes the time to read
>this.
>
>-Sean
>
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com

> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst
> >Date: Thu, 25 Nov 2004 05:25:52 -0800 (PST)
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> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
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2830. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 18:49:55 UTC
From: Bill K0ZL
Topic: 2816 Message: 2830

I am thinking that the low voltage (14v) supply is
dead, eh?

Get a cheap DVM from RatShack and dig in.

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

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> So I went back to the rig, a little less emotional
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> TS-520s
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> Rig lights up/powers on
> Finals light when heater switch flipped
> No sound of any kind from speaker with AF cranked
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> VFO LED no longer lights
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> Won't TX and won't RX. So...it seems pretty killed.
> I am no genius with
> repair and since I only got back in radio in
> September, have no test gear.
> Whatdya think?...besides next time I will be a lot
> more careful.
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> Thanks Bill for you insights, and to anyone else who
> takes the time to read
> this.
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> -Sean
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> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst
> >Date: Thu, 25 Nov 2004 05:25:52 -0800 (PST)

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> >If a rig will not receive ANYTHING... you hear hiss
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> > > >Subject: Re: [TS-520_820_530_830] fearing the
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> > > >Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
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2831. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 19:02:40 UTC
From: Richard Harris
Topic: 2816 Message: 2831

Sean,

Your rig sounds very dead so maybe you've taken out the low voltage regulator. That might account for the flash that you saw. I've downloaded the TS520 Service Manual from the web, although the schematic is poorly reproduced due to the digitization process. Try www.mods.dk if you haven't got a copy.

There is a dc regulator on the FIX CH AVR UNIT (AVR = Automatic Voltage Regulator) and section 3.11 of the Manual gives details about setting this. The regulated supply is 9V. This circuit board is mounted on the top of the chassis behind the VFO.

The regulator is a fairly standard discrete component circuit (Q1 to Q4) and it doesn't have a current limit, so it will not take kindly to output shorts. There is a second 3.3V supply as well, probably run from the 9V supply.

Although difficult to see on the downloaded copy, I think the series pass transistor is Q4, which is a 2SA606. This is a PNP metal-can transistor, maybe a TO-5, and I think it is the only metal-can device on this board. If it has been zapped, then I am sure we can find a suitable 2Nxxxx replacement. I see that the 2SA606 is available in Europe so maybe a search will find some in US. A fall back would be to make up a 9V regulator using an LM317 or similar - at least that would have a current limit.

Fig 25 in the manual gives the board layout and helpfully labels the 9V output and GND pads.

Get your multi-meter out and good luck! Watch out for the high-voltages.

I'm QRT on e-mail until Monday but look out for the G3 sending poor CW in the CQWW contest....

Richard G3OTK

At 10:40 25/11/2004 -0600, you wrote:

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>additional information and observation
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>TS-520s
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>Rig lights up/powers on
>Finals light when heater switch flipped
>No sound of any kind from speaker with AF cranked (yes, speaker is
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>VFO LED no longer lights
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2832. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

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Topic: 2816 Message: 2832

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Again, I can't tell from the circuit but I assumed that the circuitry would be powered from a regulated supply. Is that so, or are most of circuits powered from 14V unregulated?

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2833. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 20:57:47 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2833

My rig has 6A and 2A fuses located externally. The first thing I checked was the 2 amp fuse. I was really hoping that was all that went bad but no such luck. Good thought though.

Thanks to you and Bill for the thoughts and responses. I will be digging in a little deeper this weekend.

>From: Richard Harris <rjharris@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
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> > > >If a rig will not receive ANYTHING... you hear hiss
> > > >only, even with outside antenna connected or sig
> > > >generator cranked to max; the problem with ALWAYS
> > > be
> > > >either a power supply voltage missing to the
> > > receive
> > > >or IF circuits, or a dead VFO or local oscillator.
> > > >
> > > >Rig en a PLL rig will receive something, even if
> > > it's
> > > >trash, if the VCO is out of lock.
> > > >
> > > >So check your switched control voltages (8v or 12v
> > > >receive, coming off the T/R relay) and use the RF
> > > >probe to check your injection voltages to the RF
> > > unit
> > > >first, then the BFO oscillator on the IF unit.

> > > >
> > > >b
> > > >
> > > >--- "Sean.....He's the cat that won't cop out even
> > > >when there's danger all about....."
> > > ><seanfried@...> wrote:
> > > >
> > > > > Sorry, an important piece of info. TS-520s...it
> > > > > seams to be the same pretty
> > > > > much on all bands...silence
> > > > >
> > > > > >From: Bill K0ZL <coorsbill@...>
> > > > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > > > >To: TS-520_820_530_830@yahoogroups.com
> > > > > >Subject: Re: [TS-520_820_530_830] fearing the
> > > worst
> > > > > >Date: Wed, 24 Nov 2004 20:32:47 -0800 (PST)
> > > > > >
> > > > > >
> > > > > >What rig model?
> > > > > >
> > > > > >b
> > > > > >--- "Sean.....He's the cat that won't cop out
> > > even
> > > > > >when there's danger all about....."
> > > > > ><seanfried@...> wrote:
> > > > > >
> > > > > > > So I bought an Inrad CW filter and was
> > > > > installing it
> > > > > > > tonight. Soldered leads
> > > > > > > to the filter, put the hot leads from the
> > > filter
> > > > > > > into the holes in the
> > > > > > > board, then I figured I would power up the
> > > radio
> > > > > and
> > > > > > > touch the ground leads
> > > > > > > to the ground post and listen for the
> > > > > difference.
> > > > > > > Well everything seemed to
> > > > > > > work for a minute but then I flinched and I
> > > > > think I
> > > > > > > bumped the ground leads
> > > > > > > against a pole labed "gen" ....a little
> > > spark
> > > > > and
> > > > > > > then
> > > > > > > silence...arghh!!!!!!!!!! The rig still
> > > lights
> > > > > up

> > > > > > > and when I flip the
> > > > > > > heater switch the mains light but it
> > > definitely
> > > > > > > seems like I fried something
> > > > > > > in the receiver section. Anyone have any
> > > > > guesses.
> > > > > > > Just my luck to kill my
> > > > > > > rig on the eve of the CW contest I bought
> > > the CW
> > > > > > > filter in preparation for.
> > > > > > > sigh
> > > > > > >
> > > > > > >
> > > > > > > -Sean
> > > > > > >
> > > > > > > WA2LKV
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > >=====
> > > > > >
> > > > > >"If in doubt, MODIFY" --k0zl
> > > > > >
> > > > > >Need a tech? See our website
> > > > > www.amateur-repairs.com
> > > > > >
> > > > > >
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> > > > > >
> > > > > >
> > > > > >_____________________________________
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> > > > > >
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> > > > > >
> > > > > >
> > > > > >Yahoo! Groups Links
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> > > >=====
> > > >
> > > >"If in doubt, MODIFY" --k0zl
> > > >
> > > >Need a tech? See our website
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> > > >
> > > >_____________________________________
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> > > ---------- Yahoo! Groups Sponsor
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> >=== message truncated ===
> >
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl

> >
> >Need a tech? See our website www.amateur-repairs.com
> >
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> >_____________________________________
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> >http://mobile.yahoo.com/maildemo
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> >Yahoo! Groups Links
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>
>
>Richard Harris
>PIPS Technology Ltd,
>York House,
>School Lane,
>Chandlers Ford,
>Eastleigh
>SO53 4DG
>United Kingdom
>
>Tel +44 (0) 2380 240250
>Direct +44 (0) 2380 240267
>Mobile +44 (0) 7808 935630
>Fax +44 (0) 2380 240251
>
>Web site www.pipstechnology.com
>
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2834. re: Kenwood TS820s Help + 6146 Tube source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-25 22:17:38 UTC
From: james27613@att.net
Topic: 2834 Message: 2834

Hi Jim,

Enjoy your radio !

http://www.surplussales.com

http://www.surplussales.com/Tubes-Sock-Acc/TubeSpecials.html

He has 6146w by GE USA made each or pairs also the 6146B
and also has the driver tube too.

He is good to deal with.

73 james

Date: Wed, 24 Nov 2004 18:18:37 EST
From: kd4low@...
Subject: Re: Re: Kenwood TS820s Help?

Thanks All & The Group!
For all your help and assistance. I think I got it. Changed a 6146 still no luck. So I went back and re-sweated all the joints that dealt with the filament circuit and BAM! There she was! The 6146 lit up!! But the other one didn't
:-(
Now have plate current and will show abt 10 watts into dummy load, but I'm afraid to xmit much more than that. Anyone know of good place to get the 6146B for this ts-820? Any help will be greatly appreciated. Really enjoyed the experience. Maybe it's all coming back to me now thanks to you guys!
Happy Thanksgiving and best of 73's from Jim KD4LOW

2835. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 02:53:36 UTC
From: Bill K0ZL
Topic: 2816 Message: 2835

The 14V line fuse is 2 amp, and is located underneath
the rig somewhere near the large choke, near C15 and
C16. That choke is after the fuse, so if you don't
have 14vdc on the choke (measured to ground), the fuse
is definitely blown.

I suspect that you touched the "14" terminal; GEN has
no DC on it, it's all capactively coupled small AC
sigs.

I have a note regarding symptoms of the fuse being
blown; however no notes as to the location. This means
it must not have been too hard for me to find, last
time I had to! Keep looking.

bill

--- Richard Harris <rjharris@...> wrote:

> Bill,
>
> Further to my earlier posting - another reference on
> the web mentions a 2A
> DC fuse in the TS520. I can't find it on the poor
> copy of the schematic
> that I downloaded. Does it exist and do you know
> where it is in the
> unit? Another likely candidate?
>
> Again, I can't tell from the circuit but I assumed
> that the circuitry would
> be powered from a regulated supply. Is that so, or
> are most of circuits
> powered from 14V unregulated?
>
> Richard G3OTK

> and I
> > > > > think I
> > > > > > > bumped the ground leads
> > > > > > > against a pole labed "gen" ....a little
> > > spark
> > > > > > and
> > > > > > > then
> > > > > > > silence...arghh!!!!!!!!!! The rig still
> > > lights

> > > > > up
> > > > > > > ...

=====

"If in doubt, MODIFY" --k0zl

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2836. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 13:15:44 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2836

so this is a different fuse then, from the fuse on the back of the rig? I shall look this morning. The last rig I worked on was a Heathkit DX-100. Lots more room to move around in. Even though the 520 is 30 years old, it still seems like Enterprise in there. Either way, that is encouraging. Man it would be great to replace a fuse and get back on the air.

Thanks again guys

>From: Bill K0ZL <coorsbill@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
>Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
>
>The 14V line fuse is 2 amp, and is located underneath
>the rig somewhere near the large choke, near C15 and
>C16. That choke is after the fuse, so if you don't
>have 14vdc on the choke (measured to ground), the fuse
>is definitely blown.
>
>I suspect that you touched the "14" terminal; GEN has
>no DC on it, it's all capactively coupled small AC
>sigs.
>
>I have a note regarding symptoms of the fuse being
>blown; however no notes as to the location. This means
>it must not have been too hard for me to find, last
>time I had to! Keep looking.
>
>bill
>
>--- Richard Harris <rjharris@...> wrote:
>
> > Bill,
> >
> > Further to my earlier posting - another reference on
> > the web mentions a 2A
> > DC fuse in the TS520. I can't find it on the poor
> > copy of the schematic
> > that I downloaded. Does it exist and do you know
> > where it is in the
> > unit? Another likely candidate?
> >
> > Again, I can't tell from the circuit but I assumed
> > that the circuitry would

> > be powered from a regulated supply. Is that so, or
> > are most of circuits
> > powered from 14V unregulated?
> >
> > Richard G3OTK
>
> > and I
> > > > > > think I
> > > > > > > > bumped the ground leads
> > > > > > > > against a pole labed "gen" ....a little
> > > > spark
> > > > > > and
> > > > > > > > then
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> > > > > > up
> > > > > > > > ...
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
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>

2837. Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 14:02:50 UTC
From: PERRY
Topic: 2816 Message: 2837

Sean

I have the service manual on the ts520 and it has a trouble shooting chart in it step my step checks that can be made
do you have a cable conection so I can send it to you ??
its 7 megs PDF file...or I can snell mail you it on a disk //
Perry

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@h...> wrote:
> so this is a different fuse then, from the fuse on the back of the rig? I
> shall look this morning. The last rig I worked on was a Heathkit DX-100.
> Lots more room to move around in. Even though the 520 is 30 years old, it
> still seems like Enterprise in there. Either way, that is encouraging. Man
> it would be great to replace a fuse and get back on the air.
>
> Thanks again guys
>
> >From: Bill K0ZL <coorsbill@y...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> >
> >The 14V line fuse is 2 amp, and is located underneath
> >the rig somewhere near the large choke, near C15 and
> >C16. That choke is after the fuse, so if you don't
> >have 14vdc on the choke (measured to ground), the fuse
> >is definitely blown.
> >
> >I suspect that you touched the "14" terminal; GEN has
> >no DC on it, it's all capactively coupled small AC
> >sigs.
> >
> >I have a note regarding symptoms of the fuse being
> >blown; however no notes as to the location. This means
> >it must not have been too hard for me to find, last
> >time I had to! Keep looking.
> >
> >bill

> >
> >--- Richard Harris <rjharris@i...> wrote:
> >
> > > Bill,
> > >
> > > Further to my earlier posting - another reference on
> > > the web mentions a 2A
> > > DC fuse in the TS520. I can't find it on the poor
> > > copy of the schematic
> > > that I downloaded. Does it exist and do you know
> > > where it is in the
> > > unit? Another likely candidate?
> > >
> > > Again, I can't tell from the circuit but I assumed
> > > that the circuitry would
> > > be powered from a regulated supply. Is that so, or
> > > are most of circuits
> > > powered from 14V unregulated?
> > >
> > > Richard G3OTK
> >
> > > and I
> > > > > > > think I
> > > > > > > > > bumped the ground leads
> > > > > > > > > against a pole labed "gen" ....a little
> > > > > > spark
> > > > > > > > and
> > > > > > > > > then
> > > > > > > > > silence...arghh!!!!!!!!!!! The rig still
> > > > > lights
> > > > > > > up
> > > > > > > > > ...
> > >
> > >=====
> > >
> > >"If in doubt, MODIFY" --k0zl
> > >
> > >Need a tech? See our website www.amateur-repairs.com
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> > >

2838. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 14:27:46 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2838

Sure, please and thank you! I was actually going to go google for the
service manual today. Please send the file to this address. Thanks again,
you guys are really great.

-Sean

WA2LKV

>From: "PERRY" <wa8thk@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
>Date: Fri, 26 Nov 2004 14:02:50 -0000
>
>
>Sean
>
>I have the service manual on the ts520 and it has a trouble shooting
>chart in it step my step checks that can be made
>do you have a cable conection so I can send it to you ??
>its 7 megs PDF file...or I can snell mail you it on a disk //
>Perry
>
>
>
>--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
>that won't cop out even when there's danger all about....."
><seanfried@h...> wrote:
> > so this is a different fuse then, from the fuse on the back of the
>rig? I
> > shall look this morning. The last rig I worked on was a Heathkit DX-
>100.
> > Lots more room to move around in. Even though the 520 is 30 years
>old, it
> > still seems like Enterprise in there. Either way, that is
>encouraging. Man
> > it would be great to replace a fuse and get back on the air.
> >
> > Thanks again guys
> >
> > >From: Bill K0ZL <coorsbill@y...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > >

> > >The 14V line fuse is 2 amp, and is located underneath
> > >the rig somewhere near the large choke, near C15 and
> > >C16. That choke is after the fuse, so if you don't
> > >have 14vdc on the choke (measured to ground), the fuse
> > >is definitely blown.
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> > >I suspect that you touched the "14" terminal; GEN has
> > >no DC on it, it's all capactively coupled small AC
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> > >I have a note regarding symptoms of the fuse being
> > >blown; however no notes as to the location. This means
> > >it must not have been too hard for me to find, last
> > >time I had to! Keep looking.
> > >
> > >bill
> > >
> > >--- Richard Harris <rjharris@i...> wrote:
> > >
> > > > Bill,
> > > >
> > > > Further to my earlier posting - another reference on
> > > > the web mentions a 2A
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> > > > copy of the schematic
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> > > > Again, I can't tell from the circuit but I assumed
> > > > that the circuitry would
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> > > > are most of circuits
> > > > powered from 14V unregulated?
> > > >
> > > > Richard G3OTK
> > >
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> > > > > > > > > > and
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> > > > > > > > > > > > silence...arghh!!!!!!!!!!! The rig still
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> > > > > > > > > > > > ...
> > > >
> > > >=====

> > >
> > >"If in doubt, MODIFY" --k0zl
> > >
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>

2839. Re: [TS-520_820_530_830] fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 15:06:42 UTC
From: Bill K0ZL
Topic: 2816 Message: 2839

Unplug and take bottom cover off; look carefully
around the area where the power transformer is.

b

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> so this is a different fuse then, from the fuse on
> the back of the rig? I
> shall look this morning. The last rig I worked on
> was a Heathkit DX-100.
> Lots more room to move around in. Even though the
> 520 is 30 years old, it
> still seems like Enterprise in there. Either way,
> that is encouraging. Man
> it would be great to replace a fuse and get back on
> the air.
>
> Thanks again guys
>
> >From: Bill K0ZL <coorsbill@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst
> - MORE INFO
> >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> >
> >The 14V line fuse is 2 amp, and is located
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> >the rig somewhere near the large choke, near C15
> and
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> >have 14vdc on the choke (measured to ground), the
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> >is definitely blown.
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> >I have a note regarding symptoms of the fuse being
> >blown; however no notes as to the location. This
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> >it must not have been too hard for me to find, last
> >time I had to! Keep looking.
> >
> >bill
> >
> >--- Richard Harris <rjharris@...> wrote:
> >
> > > Bill,
> > >
> > > Further to my earlier posting - another
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> > > the web mentions a 2A
> > > DC fuse in the TS520. I can't find it on the
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> > > Again, I can't tell from the circuit but I
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> > > Richard G3OTK
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> > > and I
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> > >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >
> >Need a tech? See our website
> www.amateur-repairs.com

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> >_____
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>

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"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - Helps protect you from nasty viruses.
http://promotions.yahoo.com/new_mail

2840. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 16:03:41 UTC
From: Marc F1GSN
Topic: 2816 Message: 2840

Sean

It might be "useful for all" if you can "drop such document" in the
Yahoo files section.

73'

Marc

-----Message d'origine-----
De : PERRY [mailto:wa8thk@...]
Envoyé : vendredi 26 novembre 2004 15:03
À : TS-520_820_530_830@yahoogroups.com
Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Sean

I have the service manual on the ts520 and it has a trouble shooting
chart in it step my step checks that can be made
do you have a cable conection so I can send it to you ??
its 7 megs PDF file...or I can snell mail you it on a disk //
Perry

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
that won't cop out even when there's danger all about....."
<seanfried@h...> wrote:
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> shall look this morning. The last rig I worked on was a Heathkit DX-
100.
> Lots more room to move around in. Even though the 520 is 30 years
old, it
> still seems like Enterprise in there. Either way, that is
encouraging. Man
> it would be great to replace a fuse and get back on the air.
>
> Thanks again guys
>
> >From: Bill K0ZL <coorsbill@y...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> >
> >The 14V line fuse is 2 amp, and is located underneath
> >the rig somewhere near the large choke, near C15 and
> >C16. That choke is after the fuse, so if you don't

> >have 14vdc on the choke (measured to ground), the fuse
> >is definitely blown.
> >
> >I suspect that you touched the "14" terminal; GEN has
> >no DC on it, it's all capactively coupled small AC
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> >
> >I have a note regarding symptoms of the fuse being
> >blown; however no notes as to the location. This means
> >it must not have been too hard for me to find, last
> >time I had to! Keep looking.
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> >bill
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> >--- Richard Harris <rjharris@i...> wrote:
> >
> > > Bill,
> > >
> > > Further to my earlier posting - another reference on
> > > the web mentions a 2A
> > > DC fuse in the TS520. I can't find it on the poor
> > > copy of the schematic
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> > > Richard G3OTK
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> > > and I
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> > > > > > > > > > against a pole labed "gen" ....a little
> > > > > > > spark
> > > > > > > > and
> > > > > > > > > > then
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> > > > > > lights
> > > > > > > up
> > > > > > > > > > ...
> >
> >=====
> >
> >"If in doubt, MODIFY" --k0zl
> >

> >Need a tech? See our website www.amateur-repairs.com
> >
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> >
> >_____
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[Non-text portions of this message have been removed]

2841. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 16:24:15 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2841

Sure thing. When I get it, I will do just that.

>From: "Marc F1GSN" <marc_f1gsn@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: <TS-520_820_530_830@yahoogroups.com>
>Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
>Date: Fri, 26 Nov 2004 17:03:41 +0100
>
> Sean
>
> It might be "useful for all" if you can "drop such document" in the
>Yahoo files section.
>
> 73'
>
> Marc
>
> -----Message d'origine-----
>De : PERRY [mailto:wa8thk@...]
>Envoy? : vendredi 26 novembre 2004 15:03
>? : TS-520_820_530_830@yahoogroups.com
>Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO
>
>
>Sean
>
>I have the service manual on the ts520 and it has a trouble shooting
>chart in it step my step checks that can be made
>do you have a cable conection so I can send it to you ??
>its 7 megs PDF file...or I can snell mail you it on a disk //
>Perry
>
>
>
>--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
>that won't cop out even when there's danger all about....."
><seanfried@h...> wrote:
> > so this is a different fuse then, from the fuse on the back of the
>rig? I
> > shall look this morning. The last rig I worked on was a Heathkit DX-
>100.
> > Lots more room to move around in. Even though the 520 is 30 years
>old, it
> > still seems like Enterprise in there. Either way, that is
>encouraging. Man

> > it would be great to replace a fuse and get back on the air.
> >
> > Thanks again guys
> >
> > >From: Bill K0ZL <coorsbill@y...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > >
> > >The 14V line fuse is 2 amp, and is located underneath
> > >the rig somewhere near the large choke, near C15 and
> > >C16. That choke is after the fuse, so if you don't
> > >have 14vdc on the choke (measured to ground), the fuse
> > >is definitely blown.
> > >
> > >I suspect that you touched the "14" terminal; GEN has
> > >no DC on it, it's all capactively coupled small AC
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> > >I have a note regarding symptoms of the fuse being
> > >blown; however no notes as to the location. This means
> > >it must not have been too hard for me to find, last
> > >time I had to! Keep looking.
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> > >bill
> > >
> > >--- Richard Harris <rjharris@i...> wrote:
> > >
> > > > Bill,
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> > > > Further to my earlier posting - another reference on
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> > > > unit? Another likely candidate?
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> > > > Again, I can't tell from the circuit but I assumed
> > > > that the circuitry would
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> > >
> > > > and I
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> > > > > > > > > > against a pole labed "gen" ....a little
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> > >"If in doubt, MODIFY" --k0zl
> > >
> > >Need a tech? See our website www.amateur-repairs.com
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> > >
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>----
>Yahoo! Groups Links
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> a.. To visit your group on the web, go to:
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>
> b.. To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
>Service.
>

>
>
>[Non-text portions of this message have been removed]
>

2842. Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 18:53:58 UTC
From: PERRY
Topic: 2816 Message: 2842

I tried to send the file to file section however it only works for
files 5100K or less and its 7 meg
Perry
WA8THK

--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
that won't cop out even when there's danger all about....."
<seanfried@h...> wrote:
> Sure thing. When I get it, I will do just that.
>
> >From: "Marc F1GSN" <marc_f1gsn@y...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: <TS-520_820_530_830@yahoogroups.com>
> >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> >Date: Fri, 26 Nov 2004 17:03:41 +0100
> >
> > Sean
> >
> > It might be "useful for all" if you can "drop such document"
in the
> >Yahoo files section.
> >
> > 73'
> >
> > Marc
> >
> > -----Message d'origine-----
> >De : PERRY [mailto:wa8thk@y...]
> >Envoyé : vendredi 26 novembre 2004 15:03
> >À : TS-520_820_530_830@yahoogroups.com
> >Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> >
> >
> >Sean
> >
> >I have the service manual on the ts520 and it has a trouble
shooting
> >chart in it step my step checks that can be made
> >do you have a cable conection so I can send it to you ??
> >its 7 megs PDF file...or I can snell mail you it on a disk //
> >Perry
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat

> >that won't cop out even when there's danger all about....."
> ><seanfried@h...> wrote:
> > > so this is a different fuse then, from the fuse on the back of
the
> >rig? I
> > > shall look this morning. The last rig I worked on was a
Heathkit DX-
> >100.
> > > Lots more room to move around in. Even though the 520 is 30
years
> >old, it
> > > still seems like Enterprise in there. Either way, that is
> >encouraging. Man
> > > it would be great to replace a fuse and get back on the air.
> > >
> > > Thanks again guys
> > >
> > > >From: Bill K0ZL <coorsbill@y...>
> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
> > > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > > >
> > > >The 14V line fuse is 2 amp, and is located underneath
> > > >the rig somewhere near the large choke, near C15 and
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> > > >have 14vdc on the choke (measured to ground), the fuse
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> > > >--- Richard Harris <rjharris@i...> wrote:
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> > > > > Bill,
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> > > > >_____
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> >--

> >----
> >Yahoo! Groups Links
> >
> > a.. To visit your group on the web, go to:
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> >
> > c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms
of
> >Service.
> >
> >
> >
> >[Non-text portions of this message have been removed]
> >

2843. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 19:46:01 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2816 Message: 2843

Many, many thanks to all that weighed in on my rig. It is up and running. CW filter is installed and 4 DX QSOs made today.

With the most sheepish of grins; the answer after all was said and done was the external 2A fuse. I swear I pulled it out and looked at it closely under a bright lamp (twice) and it looked fine but figured since we were suspecting fuses, perhaps I should outright change the fuse. What the heck. Well that did the trick, good as before. Hopefully you guys won't throw me off the list for not out and out replacing the fuse before asking for help. A lot was learned from you guys anyway. Today was the first time the bottom cover was off the radio so that was intructional. Thanks again

WA8THK, if you send the service manual to me at sean001@..., I will break the pdf into two pieces. It will only take a minute. I will then post it to the files sections here.

73

Sean - WA2LKV

>From: "Sean.....He's the cat that won't cop out even when there's danger
>all about....." <seanfried@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
>Date: Fri, 26 Nov 2004 10:24:15 -0600
>
>
>Sure thing. When I get it, I will do just that.
>
> >From: "Marc F1GSN" <marc_f1gsn@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: <TS-520_820_530_830@yahoogroups.com>
> >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> >Date: Fri, 26 Nov 2004 17:03:41 +0100
> >
> > Sean
> >
> > It might be "useful for all" if you can "drop such document" in the
> >Yahoo files section.
> >
> > 73'
> >
> > Marc
> >
> > -----Message d'origine-----

> >De : PERRY [mailto:wa8thk@...]
> >Envoy? : vendredi 26 novembre 2004 15:03
> >? : TS-520_820_530_830@yahoogroups.com
> >Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> >
> >
> >Sean
> >
> >I have the service manual on the ts520 and it has a trouble shooting
> >chart in it step my step checks that can be made
> >do you have a cable conection so I can send it to you ??
> >its 7 megs PDF file...or I can snell mail you it on a disk //
> >Perry
> >
> >
> >
> >--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
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> ><seanfried@h...> wrote:
> > > so this is a different fuse then, from the fuse on the back of the
> >rig? I
> > > shall look this morning. The last rig I worked on was a Heathkit DX-
> >100.
> > > Lots more room to move around in. Even though the 520 is 30 years
> >old, it
> > > still seems like Enterprise in there. Either way, that is
> >encouraging. Man
> > > it would be great to replace a fuse and get back on the air.
> > >
> > > Thanks again guys
> > >
> > > >From: Bill K0ZL <coorsbill@y...>
> > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > >To: TS-520_820_530_830@yahoogroups.com
> > > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > > >
> > > >The 14V line fuse is 2 amp, and is located underneath
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> > > >"If in doubt, MODIFY" --k0zl
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> > > >
> > > >_____________________________________
> > > >Do you Yahoo!?
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> >--
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> >Yahoo! Groups Links
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> >
> > c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> >Service.
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> >
> >[Non-text portions of this message have been removed]
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>Yahoo! Groups Links
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2844. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 20:23:10 UTC
From: Paul Manuel
Topic: 2816 Message: 2844

--- "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@...> wrote:
> > With the most sheepish of grins; the answer after all was said and done
> was
> the external 2A fuse. I swear I pulled it out and looked at it closely
> under
> a bright lamp (twice) and it looked fine but figured since we were
> suspecting fuses, perhaps I should outright change the fuse.

Always, always, always check fuses with an ohmmeter.
Especially if your eyes are as bad as mine!
Good learning experience.
73,
Paul K4PDM

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

2845. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 20:41:50 UTC
From: Norm Fusaro
Topic: 2816 Message: 2845

Now you have a lesson to pass on to others. (1) use your meter to check
fuses and (2) don't be working on components when the rig is on.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Sean.....He's the cat that won't cop out even when there's danger all
about....." <seanfried@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, November 26, 2004 2:46 PM
Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

>
> Many, many thanks to all that weighed in on my rig. It is up and running.
CW
> filter is installed and 4 DX QSOs made today.
>
> With the most sheepish of grins; the answer after all was said and done
was
> the external 2A fuse. I swear I pulled it out and looked at it closely
under
> a bright lamp (twice) and it looked fine but figured since we were
> suspecting fuses, perhaps I should outright change the fuse. What the
heck.
> Well that did the trick, good as before. Hopefully you guys won't throw me
> off the list for not out and out replacing the fuse before asking for
help.
> A lot was learned from you guys anyway. Today was the first time the
bottom
> cover was off the radio so that was intructional. Thanks again
>
> WA8THK, if you send the service manual to me at sean001@..., I
> will break the pdf into two pieces. It will only take a minute. I will
then
> post it to the files sections here.
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> 73
>
> Sean - WA2LKV
>
> >From: "Sean.....He's the cat that won't cop out even when there's danger
> >all about....." <seanfried@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

> >Date: Fri, 26 Nov 2004 10:24:15 -0600
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> >
> >Sure thing. When I get it, I will do just that.
> >
> > >From: "Marc F1GSN" <marc_f1gsn@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: <TS-520_820_530_830@yahoogroups.com>
> > >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
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> > > Sean
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> > > It might be "useful for all" if you can "drop such document" in
the
> > >Yahoo files section.
> > >
> > > 73'
> > >
> > > Marc
> > >
> > > -----Message d'origine-----
> > >De : PERRY [mailto:wa8thk@...]
> > >Envoy? : vendredi 26 novembre 2004 15:03
> > >? : TS-520_820_530_830@yahoogroups.com
> > >Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> > >
> > >
> > >Sean
> > >
> > >I have the service manual on the ts520 and it has a trouble shooting
> > >chart in it step my step checks that can be made
> > >do you have a cable conection so I can send it to you ??
> > >its 7 megs PDF file...or I can snell mail you it on a disk //
> > >Perry
> > >
> > >
> > >
> > >--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
> > >that won't cop out even when there's danger all about....."
> > ><seanfried@h...> wrote:
> > > > so this is a different fuse then, from the fuse on the back of the
> > >rig? I
> > > > shall look this morning. The last rig I worked on was a Heathkit DX-
> > >100.
> > > > Lots more room to move around in. Even though the 520 is 30 years
> > >old, it
> > > > still seems like Enterprise in there. Either way, that is
> > >encouraging. Man
> > > > it would be great to replace a fuse and get back on the air.

> > > >
> > > > Thanks again guys
> > > >
> > > > >From: Bill K0ZL <coorsbill@y...>
> > > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > > >To: TS-520_820_530_830@yahoogroups.com
> > > > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > > > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > > > >
> > > > >The 14V line fuse is 2 amp, and is located underneath
> > > > >the rig somewhere near the large choke, near C15 and
> > > > >C16. That choke is after the fuse, so if you don't
> > > > >have 14vdc on the choke (measured to ground), the fuse
> > > > >is definitely blown.
> > > > >
> > > > >I suspect that you touched the "14" terminal; GEN has
> > > > >no DC on it, it's all capactively coupled small AC
> > > > >sigs.
> > > > >
> > > > >I have a note regarding symptoms of the fuse being
> > > > >blown; however no notes as to the location. This means
> > > > >it must not have been too hard for me to find, last
> > > > >time I had to! Keep looking.
> > > > >
> > > > >bill
> > > > >
> > > > >--- Richard Harris <rjharris@i...> wrote:
> > > > >
> > > > > > Bill,
> > > > > >
> > > > > > Further to my earlier posting - another reference on
> > > > > > the web mentions a 2A
> > > > > > DC fuse in the TS520. I can't find it on the poor
> > > > > > copy of the schematic
> > > > > > that I downloaded. Does it exist and do you know
> > > > > > where it is in the
> > > > > > unit? Another likely candidate?
> > > > > >
> > > > > > Again, I can't tell from the circuit but I assumed
> > > > > > that the circuitry would
> > > > > > be powered from a regulated supply. Is that so, or
> > > > > > are most of circuits
> > > > > > powered from 14V unregulated?
> > > > > >
> > > > > > Richard G3OTK
> > > > >
> > > > > > and I
> > > > > > > > > > think I
> > > > > > > > > > > > > > > > bumped the ground leads
> > > > > > > > > > > > > > > > against a pole labed "gen" ....a little

> > > > > > > > spark
> > > > > > > > > > and
> > > > > > > > > > > > then
> > > > > > > > > > > > > silence...arghh!!!!!!!!!! The rig still
> > > > > > > > lights
> > > > > > > > > up
> > > > > > > > > > > > ...
> > > > > >
> > > > > >=====
> > > > > >
> > > > > >"If in doubt, MODIFY" --k0zl
> > > > > >
> > > > > >Need a tech? See our website www.amateur-repairs.com
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >_____________________________________
> > > > > >Do you Yahoo!?
> > > > > >Meet the all-new My Yahoo! - Try it today!
> > > > > >http://my.yahoo.com
> > > > > >
> > > > > >
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> > > Yahoo! Groups Sponsor
> > > ADVERTISEMENT
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> > >
>--
-
> > >----
> > >Yahoo! Groups Links
> > >
> > > a.. To visit your group on the web, go to:
> > > http://groups.yahoo.com/group/TS-520_820_530_830/
> > >
> > > b.. To unsubscribe from this group, send an email to:
> > > TS-520_820_530_830-unsubscribe@yahoogroups.com
> > >
> > > c.. Your use of Yahoo! Groups is subject to the Yahoo! Terms of
> > >Service.

> > >
> > >
> > >
> > >[Non-text portions of this message have been removed]
> > >
> >
> >
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> >
> >Yahoo! Groups Links
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> Yahoo! Groups Links
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2846. Tuning TS830S transmit problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 21:00:55 UTC
From: jimbart
Topic: 2846 Message: 2846

Bandswitch at 7MHz (40m)

Per instructions:
50 Ohm dummy load (named after me) connected
Power & Heater ON
Mode = SSB, Meter = Ip
Standby = SEND, bias = 60mA
(so far so good, eh?)

Mode = TUNE, meter = ALC
Peak DRIVE ... oops: no movement on the meter!
try to adjust CAR upward to get meter deflection: Oops! No
deflection.

Let's try:
Mode = Tune, Standby to SEND,Meter to RF and Peak the Load
Oops: no movement ...

Mode = CW, meter to Ip ... well, by now, you can guess: no response
(but a nice keying tone from the Bug)

The fan is spinning nicely, and the cabinet is ever so slightly
warmer around the Final section, but that's it ...

Mode = CW, Standby switch to SEND, meter at HV reads 900V.

Repeat with bandswitch at 14MHz (20m), all as above

Long story short: DRIVE won't peak, PLATE won't dip and LOAD won't
peak. But I can get Ip to 60mA ...

Receive has worked well all along.

Any ideas?

Jim
KE5CXX

2847. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 21:08:23 UTC
From: Dave & Loraine
Topic: 2816 Message: 2847

Congratulations Sean!
Dave

2848. Re: Tuning TS830S transmit problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 21:55:54 UTC
From: Walter A. Breining
Topic: 2846 Message: 2848

Jim:

Just because it is easy, I would try the 12BY7.
Finals are working or you would not get the 60 MA.
Is the 12BY7 Lit?
Do you have a tube checker to check it? (Yeah I know, but if it was
this dead it would show up on a tube checker).

Do you have another 12BY7 to plug in?
Check the solder connections from the 12BY7 socket to the board.
Clean the 12BY7 socket.

If you change 12BY7s there is an issue that all 12BY7's will not
work
just right, but any good one should get you some action on 40 meters
so you will know if you are on the right track.

If the above doesn't tell you anything, someone who is more
familiar
specifically with the 830 will hopefully chime in.

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "jimbart" <jimb@h...>
wrote:
>
> Bandswitch at 7MHz (40m)
>
> Per instructions:
> 50 Ohm dummy load (named after me) connected
> Power & Heater ON
> Mode = SSB, Meter = Ip
> Standby = SEND, bias = 60mA
> (so far so good, eh?)
>
> Mode = TUNE, meter = ALC
> Peak DRIVE ... oops: no movement on the meter!
> try to adjust CAR upward to get meter deflection: Oops! No
> deflection.
>
> Let's try:
> Mode = Tune, Standby to SEND,Meter to RF and Peak the Load
> Oops: no movement ...
>
> Mode = CW, meter to Ip ... well, by now, you can guess: no response
> (but a nice keying tone from the Bug)

>
> The fan is spinning nicely, and the cabinet is ever so slightly
> warmer around the Final section, but that's it ...
>
> Mode = CW, Standby switch to SEND, meter at HV reads 900V.
>
> Repeat with bandswitch at 14MHz (20m), all as above
>
> Long story short: DRIVE won't peak, PLATE won't dip and LOAD won't
> peak. But I can get Ip to 60mA ...
>
> Receive has worked well all along.
>
> Any ideas?
>
> Jim
> KE5CXX

2849. Re: [TS-520_820_530_830] Re: Tuning TS830S transmit problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 23:41:03 UTC
From: Paul Manuel
Topic: 2846 Message: 2849

Make sure the screen grid switch is on.
73,
Paul K4PDM

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http://mail.yahoo.com

2850. Re: Tuning TS830S transmit problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-27 00:10:32 UTC
From: jimbart
Topic: 2846 Message: 2850

--- In TS-520_820_530_830@yahoogroups.com, "Walter A. Breining"
<n9wb@n...> wrote:
>
> Jim:
>
> Just because it is easy, I would try the 12BY7.
> Finals are working or you would not get the 60 MA.
> Is the 12BY7 Lit?
> Do you have a tube checker to check it? (Yeah I know, but if it
was
> this dead it would show up on a tube checker).
>
> Do you have another 12BY7 to plug in?
> Check the solder connections from the 12BY7 socket to the board.
> Clean the 12BY7 socket.
>
> If you change 12BY7s there is an issue that all 12BY7's will not
> work
> just right, but any good one should get you some action on 40
meters
> so you will know if you are on the right track.
>
> If the above doesn't tell you anything, someone who is more
> familiar
> specifically with the 830 will hopefully chime in.
>
> Vy 73, Walt N9WB

Walt,
Don't have a tester, but did try 2 other 12BY7s (not sure new or
old; came in a bag with the rig); symptoms remained.
It's a puzzlement ...
Thanks & 73,
Jim

2851. Re: Tuning TS830S transmit problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-27 00:15:06 UTC
From: jimbart
Topic: 2846 Message: 2851

--- In TS-520_820_530_830@yahoogroups.com, Paul Manuel <k4pdm@y...>
wrote:
>
> Make sure the screen grid switch is on.
> 73,
> Paul K4PDM
Paul,
'Twas indeed on, but thanks for the reminder.
73,
Jim

2852. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-26 20:04:31 UTC
From: Tibor (Tibi) Zentai
Topic: 2816 Message: 2852

Hi All,

Thanks to Bill for the approval to let me be a member of this list. The pleasure is mine to join the group.

Though I know it is not the topic of the list I have also a vintage 2 meter FM radio manufactured by Clegg Communications Company, a Clegg FM-28 which is about ten years older than my TS-530SP. Both radios are in regular daily use.

When I was much younger I was a homebrewer designing and constructing my own cw/ssb rig. Later on I used military surplus QRP cw as well as 29 MHz FM transceivers. Believe it or not I could take out the best of those rigs, much, much more than designers specified and the original users had ever been able to. This objective has not changed in using the TS-530 SP that I have since last March.

Nowadays, I hate to remove the case of my equipment. I am no longer wondering how it looks like inside, how it works, etc. But alas, devil of electronics cannot be sent back to its shelter so if something is going wrong who is gonna take care of your rig if not you?

By the way, I am able to operate digi modes with the TS-530SP as well. Though my friends said me to give digi operation up for I can operate traditional modes that are considered to be a true way of showing the human capability against showing the capability of a computer (I won't fully do it really). This situation leads to the debate of code vs no code. Well, I understand the problems of the hobby but I am convinced that the code (beside many advantages) is an international language to bridge a kind of gap among different not English speaking cultures.

Why am I making QSOs instead of using internet facilities? 'Cause ham radio operation is still a challenge against nature. 'Cause it means to owe to a specially trained, closed and a specially friendly society with common interest called ham radio service officially.

My friend Gabriel, WH6CVI mentioned a few weeks ago that there is a special list dealing with old Kenwood radios and he suggested that I should have join it. Thank you, I can now be here. Should I be the first Hungarian list member it is a special pleasure of mine.

I think that's all for a short introduction now.

As a quick help for the TS-520 issue, service manuals can be downloaded:

http://www.dsgnet.hu/nightwish/work/TS-520-520SE_Service_manuals.zip

Hope to change a signal riport with most of you during the CQ WW DX CW contest.

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

2853. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-27 04:38:10 UTC
From: Bill K0ZL
Topic: 2816 Message: 2853

Well.. uh... if I did that, I would have to kick
everyone else off. Starting with me. But then I
couldn't throw anyone else off, because I would be
gone. Oh nevermind.

Glad you got 'er fixed!

Bill K0ZL

<seanfried@...> wrote:

>
> ...
> Well that did the trick, good as before. Hopefully
> you guys won't throw me
> off the list for not out and out replacing the fuse
> before asking for help.
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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2854. Tuning TS830S transmit problem: can you spell "Novice"?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-27 18:54:20 UTC
From: jimbart
Topic: 2846 Message: 2854

Leave it to Bill and to original owner to suggest that a little CAR
bump might help. Terribly hard to tune the rig when I tell it that I
don't want ANY output ...
Thanks fer beiong here,
73,
Jim
KE5CXX
(maybe I oughta see if FCC will give me a WV5 ...)

2855. Re: [TS-520_820_530_830] Tuning TS830S transmit problem: can you spell "Novice"?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-27 23:37:59 UTC
From: Bill K0ZL
Topic: 2846 Message: 2855

Let's remember to suggest this, right after asking
about the screen grid (SG) switch! hi..

WV5 would be a tough contest callsign.. DX ers would
think you are W45 or something.

b

--- jimbart <jimb@...> wrote:

>
> Leave it to Bill and to original owner to suggest
> that a little CAR
> bump might help. Terribly hard to tune the rig when
> I tell it that I
> don't want ANY output ...
> Thanks fer beiong here,
> 73,
> Jim
> KE5CXX
> (maybe I oughta see if FCC will give me a WV5 ...)
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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All your favorites on one personal page ? Try My Yahoo!
http://my.yahoo.com

2856. What model??

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 17:46:28 UTC
From: kd7jeh
Topic: 2856 Message: 2856

Hello to the Group,

What Kenwood models was being sold and produce back in late 70s'
(1978 to 1980). Was it the 520 or 530?

Thanks

Bert

2857. RD: TS-820S meter light

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 19:37:14 UTC
From: Tim Kass
Topic: 2856 Message: 2857

Hello group,

can anyone tell me a good replacement for the meter light on the TS-820S,
what is the voltage as well..

73, Tim
K8WBL

2858. Re: RD: TS-820S meter light

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 20:33:05 UTC
From: Jim
Topic: 2856 Message: 2858

Tim,

I think this code from your local Radio Shack will work:

Catalog #: 272-1092

Lots of fun changing those lamps, while you are at it you might as well change all three (two on the S-meter and one behind the VFO). You will also want some of the very small heat shrink tubing to insulate the soldered wires (yes, you have to lap solder the wires together). Heat shrink is much nicer than tape which will eventually get gooey and messy inside the rig.

Jim

--- In TS-520_820_530_830@yahoogroups.com, "Tim Kass" <timkass@h...> wrote:
>
> Hello group,
>
>
> can anyone tell me a good replacement for the meter light on the TS-820S,
> what is the voltage as well..
>
> 73, Tim
> K8WBL

2859. Re: [TS-520_820_530_830] Re: RD: TS-820S meter light

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 22:16:16 UTC
From: Steve Phillips
Topic: 2856 Message: 2859

That's the correct RS stock number. There are two in a package.

I changed mine not too long ago.

Steve
VA3SPX

----- Original Message -----
From: "Jim" <K1ZC@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Sunday, November 28, 2004 3:33 PM
Subject: [TS-520_820_530_830] Re: RD: TS-820S meter light

>
>
> Tim,
>
> I think this code from your local Radio Shack will work:
>
> Catalog #: 272-1092
>
> Lots of fun changing those lamps, while you are at it you might as
> well change all three (two on the S-meter and one behind the VFO).
> You will also want some of the very small heat shrink tubing to
> insulate the soldered wires (yes, you have to lap solder the wires
> together). Heat shrink is much nicer than tape which will
> eventually get gooey and messy inside the rig.
>
> Jim
>
> --- In TS-520_820_530_830@yahoogroups.com, "Tim Kass" <timkass@h...>
> wrote:
> >
> > Hello group,
> >
> >
> > can anyone tell me a good replacement for the meter light on the
> TS-820S,
> > what is the voltage as well..
> >
> > 73, Tim
> > K8WBL
>
>
>
>

>
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>
> Yahoo! Groups Links
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2860. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 22:57:50 UTC
From: Eric Webner
Topic: 2816 Message: 2860

Sean,

Congrats on getting back on the air. After 10 years in the alarm business, I gotta agree with Norm: check those fuses with a meter, because every once in awhile they blow just a bit, and you can't see the break too well.

73,

Eric KA8FAN

Norm Fusaro <w3iz@...> wrote:
Now you have a lesson to pass on to others. (1) use your meter to check
fuses and (2) don't be working on components when the rig is on.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Sean.....He's the cat that won't cop out even when there's danger all
about....." <seanfried@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Friday, November 26, 2004 2:46 PM
Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

>
> Many, many thanks to all that weighed in on my rig. It is up and running.
CW
> filter is installed and 4 DX QSOs made today.
>
> With the most sheepish of grins; the answer after all was said and done
was
> the external 2A fuse. I swear I pulled it out and looked at it closely
under
> a bright lamp (twice) and it looked fine but figured since we were
> suspecting fuses, perhaps I should outright change the fuse. What the
heck.
> Well that did the trick, good as before. Hopefully you guys won't throw me
> off the list for not out and out replacing the fuse before asking for
help.
> A lot was learned from you guys anyway. Today was the first time the
bottom
> cover was off the radio so that was intructional. Thanks again
>
> WA8THK, if you send the service manual to me at sean001@..., I
> will break the pdf into two pieces. It will only take a minute. I will
then
> post it to the files sections here.

>
> 73
>
> Sean - WA2LKV
>
> >From: "Sean.....He's the cat that won't cop out even when there's danger
> >all about....." <seanfried@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com
> >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> >Date: Fri, 26 Nov 2004 10:24:15 -0600
> >
> >
> >Sure thing. When I get it, I will do just that.
> >
> > >From: "Marc F1GSN" <marc_f1gsn@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: <TS-520_820_530_830@yahoogroups.com>
> > >Subject: RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> > >Date: Fri, 26 Nov 2004 17:03:41 +0100
> > >
> > > Sean
> > >
> > > It might be "useful for all" if you can "drop such document" in
the
> > >Yahoo files section.
> > >
> > > 73'
> > >
> > > Marc
> > >
> > > -----Message d'origine-----
> > >De : PERRY [mailto:wa8thk@...]
> > >Envoy? : vendredi 26 novembre 2004 15:03
> > >? : TS-520_820_530_830@yahoogroups.com
> > >Objet : [TS-520_820_530_830] Re: fearing the worst - MORE INFO
> > >
> > >
> > >Sean
> > >
> > >I have the service manual on the ts520 and it has a trouble shooting
> > >chart in it step my step checks that can be made
> > >do you have a cable conection so I can send it to you ??
> > >its 7 megs PDF file...or I can snell mail you it on a disk //
> > >Perry
> > >
> > >
> > >
> > >--- In TS-520_820_530_830@yahoogroups.com, "Sean.....He's the cat
> > >that won't cop out even when there's danger all about....."

> > ><seanfried@h...> wrote:
> > > > so this is a different fuse then, from the fuse on the back of the
> > >rig? I
> > > > shall look this morning. The last rig I worked on was a Heathkit DX-
> > >100.
> > > > Lots more room to move around in. Even though the 520 is 30 years
> > >old, it
> > > > still seems like Enterprise in there. Either way, that is
> > >encouraging. Man
> > > > it would be great to replace a fuse and get back on the air.
> > > >
> > > > Thanks again guys
> > > >
> > > > >From: Bill K0ZL <coorsbill@y...>
> > > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > > >To: TS-520_820_530_830@yahoogroups.com
> > > > >Subject: Re: [TS-520_820_530_830] fearing the worst - MORE INFO
> > > > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)
> > > > >
> > > > >The 14V line fuse is 2 amp, and is located underneath
> > > > >the rig somewhere near the large choke, near C15 and
> > > > >C16. That choke is after the fuse, so if you don't
> > > > >have 14vdc on the choke (measured to ground), the fuse
> > > > >is definitely blown.
> > > > >
> > > > >I suspect that you touched the "14" terminal; GEN has
> > > > >no DC on it, it's all capactively coupled small AC
> > > > >sigs.
> > > > >
> > > > >I have a note regarding symptoms of the fuse being
> > > > >blown; however no notes as to the location. This means
> > > > >it must not have been too hard for me to find, last
> > > > >time I had to! Keep looking.
> > > > >
> > > > >bill
> > > > >
> > > > >--- Richard Harris <rjharris@i...> wrote:
> > > > >
> > > > > > Bill,
> > > > > >
> > > > > > Further to my earlier posting - another reference on
> > > > > > the web mentions a 2A
> > > > > > DC fuse in the TS520. I can't find it on the poor
> > > > > > copy of the schematic
> > > > > > that I downloaded. Does it exist and do you know
> > > > > > where it is in the
> > > > > > unit? Another likely candidate?
> > > > > >
> > > > > > Again, I can't tell from the circuit but I assumed
> > > > > > that the circuitry would

> > > > > > be powered from a regulated supply. Is that so, or
> > > > > > are most of circuits
> > > > > > powered from 14V unregulated?
> > > > > >
> > > > > > Richard G3OTK
> > > > > >
> > > > > > and I
> > > > > > > > > > think I
> > > > > > > > > > > > > bumped the ground leads
> > > > > > > > > > > > > against a pole labed "gen" ....a little
> > > > > > > > spark
> > > > > > > > > > and
> > > > > > > > > > > > then
> > > > > > > > > > > > silence...arghh!!!!!!!!!! The rig still
> > > > > > > > lights
> > > > > > > > > > up
> > > > > > > > > > > > ...
> > > > > >
> > > > > >=====
> > > > > >
> > > > > >"If in doubt, MODIFY" --k0zl
> > > > > >
> > > > > >Need a tech? See our website www.amateur-repairs.com
> > > > > >
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[Non-text portions of this message have been removed]

2861. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 23:04:14 UTC
From: Eric Webner
Topic: 2816 Message: 2861

Welcome to the group, Tibi. It is nice to have you with us. I liked your paragraph about the ham radio society vs. just using internet. I should show that to my wife. She doesn't understand what ham radio is all about.

73,

Eric KA8FAN

"Tibor (Tibi) Zentai" <ha2mn@...> wrote:

Hi All,

Thanks to Bill for the approval to let me be a member of this list. The pleasure is mine to join the group.

Though I know it is not the topic of the list I have also a vintage 2 meter FM radio manufactured by Clegg Communications Company, a Clegg FM-28 which is about ten years older than my TS-530SP. Both radios are in regular daily use.

When I was much younger I was a homebrewer designing and constructing my own cw/ssb rig. Later on I used military surplus QRP cw as well as 29 MHz FM transceivers. Believe it or not I could take out the best of those rigs, much, much more than designers specified and the original users had ever been able to. This objective has not changed in using the TS-530 SP that I have since last March.

Nowadays, I hate to remove the case of my equipment. I am no longer wondering how it looks like inside, how it works, etc. But alas, devil of electronics cannot be sent back to its shelter so if something is going wrong who is gonna take care of your rig if not you?

By the way, I am able to operate digi modes with the TS-530SP as well. Though my friends said me to give digi operation up for I can operate traditional modes that are considered to be a true way of showing the human capability against showing the capability of a computer (I won't fully do it really). This situation leads to the debate of code vs no code. Well, I understand the problems of the hobby but I am convinced that the code (beside many advantages) is an international language to bridge a kind of gap among different not English speaking cultures.

Why am I making QSOs instead of using internet facilities? 'Cause ham radio operation is still a challenge against nature. 'Cause it means to owe to a specially trained, closed and a specially friendly society with common interest called ham radio service officially.

My friend Gabriel, WH6CVI mentioned a few weeks ago that there is a special list dealing with old Kenwood radios and he suggested that I should have join it. Thank you, I can now be here. Should I be the first Hungarian list member it is a special pleasure of mine.

I think that's all for a short introduction now.

As a quick help for the TS-520 issue, service manuals can be downloaded:

http://www.dsgnet.hu/nightwish/work/TS-520-520SE_Service_manuals.zip

Hope to change a signal riport with most of you during the CQ WW DX CW contest.

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

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[Non-text portions of this message have been removed]

2862. RE: [TS-520_820_530_830] Re: RD: TS-820S meter light

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-28 23:04:53 UTC
From: Tim Kass
Topic: 2856 Message: 2862

Thanks Jim,

Tim K8WBL

WD-40, Balin' wire, silicone sealant and duct tape, pretty much fixes
everything!

Tha

>From: "Jim" <K1ZC@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Re: RD: TS-820S meter light
>Date: Sun, 28 Nov 2004 20:33:05 -0000
>
>
>Tim,
>
>I think this code from your local Radio Shack will work:
>
>Catalog #: 272-1092
>
>Lots of fun changing those lamps, while you are at it you might as
>well change all three (two on the S-meter and one behind the VFO).
>You will also want some of the very small heat shrink tubing to
>insulate the soldered wires (yes, you have to lap solder the wires
>together). Heat shrink is much nicer than tape which will
>eventually get gooey and messy inside the rig.
>
>Jim
>
>--- In TS-520_820_530_830@yahoogroups.com, "Tim Kass" <timkass@h...>
>wrote:
> >
> > Hello group,
> >
> >
> > can anyone tell me a good replacement for the meter light on the
>TS-820S,
> > what is the voltage as well..
> >
> > 73, Tim
> > K8WBL
>
>
>

2863. RE: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-29 05:18:07 UTC
From: bunny-dawg
Topic: 2816 Message: 2863

No worries mate. I usually start with the merely
obvious but i sometimes forget.
Take care
Robert
--- Bill K0ZL <coorsbill@...> wrote:

> Well.. uh... if I did that, I would have to kick
> everyone else off. Starting with me. But then I
> couldn't throw anyone else off, because I would be
> gone. Oh nevermind.
>
> Glad you got 'er fixed!
>
> Bill K0ZL
>
>
> <seanfried@...> wrote:
>
> >
> > ...
> > Well that did the trick, good as before. Hopefully
> > you guys won't throw me
> > off the list for not out and out replacing the
> fuse
> > before asking for help.
> >
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
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>
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>
>
> _____
> Do you Yahoo!?
> Meet the all-new My Yahoo! - Try it today!
> http://my.yahoo.com
>
>

>

=====
I am a disabled ham, equipment/parts donations gratefully accepted.
My website which is very much under construction is
http://www3.sympatico.ca/r.heenan/index.htm
Take care
VE3MNK

Do you Yahoo!?
Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

2864. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-29 05:22:15 UTC
From: bunny-dawg
Topic: 2816 Message: 2864

Perry you might want to consider joining the yahoo
group hamftp. Larry has graciously given us space for
manuals and such files. Forgive me if this has been
suggested to you. Been awhile since i've had a chance
to check my emails. Ask bill about it. No NOT that
bill the other one. hi hi.

--- PERRY <wa8thk@...> wrote:

>
> I tried to send the file to file section however
> it only works for
> files 5100K or less and its 7 meg
> Perry
> WA8THK
>
> --- In TS-520_820_530_830@yahoogroups.com,
> "Sean.....He's the cat
> that won't cop out even when there's danger all
> about....."
> <seanfried@h...> wrote:
> > Sure thing. When I get it, I will do just that.
> >
> > >From: "Marc F1GSN" <marc_f1gsn@y...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: <TS-520_820_530_830@yahoogroups.com>
> > >Subject: RE: [TS-520_820_530_830] Re: fearing the
> worst - MORE INFO
> > >Date: Fri, 26 Nov 2004 17:03:41 +0100
> > >
> > > Sean
> > >
> > > It might be "useful for all" if you can
> "drop such document"
> in the
> > >Yahoo files section.
> > >
> > > 73'
> > >
> > > Marc
> > >
> > > -----Message d'origine-----
> > >De : PERRY [mailto:wa8thk@y...]
> > >Envoy? : vendredi 26 novembre 2004 15:03
> > >? : TS-520_820_530_830@yahoogroups.com

> > >Objet : [TS-520_820_530_830] Re: fearing the
> worst - MORE INFO
> > >
> > >
> > >Sean
> > >
> > >I have the service manual on the ts520 and it has
> a trouble
> shooting
> > >chart in it step my step checks that can be
> made
> > >do you have a cable conection so I can send it
> to you ??
> > >its 7 megs PDF file...or I can snell mail you it
> on a disk //
> > >Perry
> > >
> > >
> > >
> > >--- In TS-520_820_530_830@yahoogroups.com,
> "Sean.....He's the cat
> > >that won't cop out even when there's danger all
> about....."
> > ><seanfried@h...> wrote:
> > > > so this is a different fuse then, from the
> fuse on the back of
> the
> > >rig? I
> > > > shall look this morning. The last rig I worked
> on was a
> Heathkit DX-
> > >100.
> > > > Lots more room to move around in. Even though
> the 520 is 30
> years
> > >old, it
> > > > still seems like Enterprise in there. Either
> way, that is
> > >encouraging. Man
> > > > it would be great to replace a fuse and get
> back on the air.
> > > >
> > > > Thanks again guys
> > > >
> > > > >From: Bill K0ZL <coorsbill@y...>
> > > > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > > > >To: TS-520_820_530_830@yahoogroups.com
> > > > >Subject: Re: [TS-520_820_530_830] fearing the
> worst - MORE INFO
> > > > >Date: Thu, 25 Nov 2004 18:53:36 -0800 (PST)

> > > > >
> > > > >The 14V line fuse is 2 amp, and is located
> underneath
> > > > >the rig somewhere near the large choke, near
> C15 and
> > > > >C16. That choke is after the fuse, so if you
> don't
> > > > >have 14vdc on the choke (measured to ground),
> the fuse
> > > > >is definitely blown.
> > > > >
> > > > >I suspect that you touched the "14" terminal;
> GEN has
> > > > >no DC on it, it's all capactively coupled
> small AC
> > > > >sigs.
> > > > >
> > > > >I have a note regarding symptoms of the fuse
> being
> > > > >blown; however no notes as to the location.
> This means
> > > > >it must not have been too hard for me to
> find, last
> > > > >time I had to! Keep looking.
> > > > >
> > > > >bill
> > > > >
> > > > >--- Richard Harris <rjharris@i...> wrote:
> > > > >
> > > > > > Bill,
> > > > >
> > > > > > Further to my earlier posting - another
> reference on
> > > > > > the web mentions a 2A
> > > > > > DC fuse in the TS520. I can't find it on
> the poor
> > > > > > copy of the schematic
> > > > > > that I downloaded. Does it exist and do
> you know
> > > > > > where it is in the
> > > > > > unit? Another likely candidate?
> > > > >
> > > > > > Again, I can't tell from the circuit but I
> assumed
> > > > > > that the circuitry would
> > > > > > be powered from a regulated supply. Is
> that so, or
> > > > > > are most of circuits
> > > > > > powered from 14V unregulated?
> > > > >

> > > > > > Richard G3OTK
> > > > >
> > > > > > and I
> > > > > > > > > > think I
> > > > > > > > > > > > > > bumped the ground leads
> > > > > > > > > > > > > > against a pole labed "gen"
> ....a little
> > > > > > > > > spark
> > > > > > > > > > and
> > > > > > > > > > > > then
> > > > > > > > > > > > silence...arghh!!!!!!!!!! The
> rig still
> > > > > > > > lights
> > > > > > > > > up
> > > > > > > > > > > ...
> > > > > >
> > > > > >=====
> > > > > >
> > > > > >"If in doubt, MODIFY" --k0zl
> > > > > >
> > > > > >Need a tech? See our website
> www.amateur-repairs.com
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> > > > > >_____
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> > >
> > >
> > >
> > >[Non-text portions of this message have been
> removed]
> > >
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>
>

=====
I am a disabled ham, equipment/parts donations gratefully accepted.
My website which is very much under construction is
http://www3.sympatico.ca/r.heenan/index.htm
Take care
VE3MNK

Do you Yahoo!?
Take Yahoo! Mail with you! Get it on your mobile phone.
http://mobile.yahoo.com/maildemo

2865. Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 02:25:06 UTC
From: dmfroelich
Topic: 2865 Message: 2865

In peaking the ALC level during initial set-up, is the drive adjusted for full-scale meter reading or to the upper edge of the ALC range on the meter? Thanks. Don

2866. One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:07:49 UTC
From: jb2625
Topic: 2866 Message: 2866

One of guys said something in a reply, abt a one tube Mod.. sorry i dont rember the call.since I have this thing working with only 1 pa tube can I do the mod? it its not to hard HI HI. so I can do some audio test and wire up a mike and work 10 meters on temp basis... I plan to upgrade to general 16 dec...that way I can find another tube by then...also should I get matched pair like I have heard for years.. and what should I replace these with? eg. (GE, sovtech Svelanta?)..Also where can I get the mod..If U guys think i should do it?..or should I just wait?....TNX for all the help.. This group is great!!... 73s to all!... TNX Jim KD4LOW...

2867. Re: Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:10:08 UTC
From: Walter A. Breining
Topic: 2865 Message: 2867

Don:
Maybe I haven't been paying attention, but I am not sure what rig
you
have.

With my TS-820, I can usually get full scale on the ALC meter in the tune position if I advance the drive all the way so I reduce the drive so I am below the end of the meter and can see the peak.

After I am done on Tune, I go to CW and advance the drive fully or to the point where I am just below the meter top so I can see the peak without it hitting the needle top. Sometimes, especially on the higher frequency bands, the meter will not go up this far even with the drive fully advanced. That is OK.

Remember when doing final tuning in the CW mode, not to transmit for long periods as the finals will get hot fast.

After tune up, on SSB while talking I set the mike gain so the meter sometimes goes to the top of the ALC scale that ends at about 60% of the full meter deflection and on occasion slightly over this point.

I you use a compressor or the speech processor, you may want to set the deflection to ½ the ALC scale.

When operating CW I set the drive control to go to the top of the ALC scale on key down.

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "dmfroelich"
<dmfroelich@y...> wrote:
>
> In peaking the ALC level during initial set-up, is the drive
adjusted
> for full-scale meter reading or to the upper edge of the ALC range
on
> the meter? Thanks. Don

2868. Re: [TS-520_820_530_830] Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:24:51 UTC
From: Alan Wolke
Topic: 2865 Message: 2868

During the beginning portion of my tune-up with my 830S, I put the rig in TUNE, set the meter to ALC, then key up and adjust the DRIVE until the ALC reading is peaked. If there is no ALC deflection, I increase the CARrier level and then peak it. If the peaked ALC moves beyond the max ALC range, then I reduce the CAR level. I usually use a peaked ALC reading of 50-80% of the ALC scale. Once the DRIVE is peaked, I then switch to IP, and dip the plate current with the PLATE control. Then, switch to RF and peak the output with the LOAD control. I'll usually alternate a little between PLATE and LOAD to peak the output. Works dandy.

73,
Alan W2AEW

dmfroelich wrote:

>
> In peaking the ALC level during initial set-up, is the drive adjusted
> for full-scale meter reading or to the upper edge of the ALC range on
> the meter? Thanks. Don
>

2869. Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:26:24 UTC
From: Walter A. Breining
Topic: 2866 Message: 2869

Jim:

What did you find out was wrong.

There was a mod for the TS 820 for novice operation in the early days and I think to accommodate a Japanese power restriction with some classes in Japan. This would make the radio operate with 75 watts with one tube. I wanted to be sure your radio didn't have this. If it did, I was going to help you restore it to two-tube operation. You want to use both tubes.

While we are on the subject of mods, there is a mod for this rig that involves increasing the screen voltage and some other things to increase the power. I Do NOT personally recommend this change. The beauty of rigs using 6146 (S2001) tubes over rigs that use 6JS6 tubes is they are far more forgiving during tune up. The increase in power from this mod is not noticeable on the air and puts stress on the tubes, transformer, and rectifier diodes.

I hope others will comment on tubes. Since the tubes are in parallel not push pull, a exact match is not necessary. They just need to be good.

Please note that while the tubes are operated in parallel, this is different from the filaments that are in series.

Are your original tubes bad? If you replace the tubes, you will have to re-neutralize.

Again, what did you find wrong?

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, "jb2625" <kd4low@a...>
wrote:
>
> One of guys said something in a reply, abt a one tube Mod.. sorry i
> dont rember the call.since I have this thing working with only 1 pa
> tube can I do the mod? it its not to hard HI HI. so I can do some
> audio test and wire up a mike and work 10 meters on temp basis...
I
> plan to upgrade to general 16 dec...that way I can find another
tube
> by then...also should I get matched pair like I have heard for
> years.. and what should I replace these with? eg. (GE, sovtech
> Svelanta?)..Also where can I get the mod..If U guys think i should
do

> it?..or should I just wait?....TNX for all the help.. This group is
> great!!... 73s to all!... TNX Jim KD4LOW...

2870. Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:36:14 UTC
From: Walter A. Breining
Topic: 2866 Message: 2870

Jim:

Why do you think you have a bad tube?

Walt

2871. Re: [TS-520_820_530_830] Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 03:40:17 UTC
From: Bill K0ZL
Topic: 2865 Message: 2871

Keep your carrier or drive LEVEL down so that the ALC
meter is not pegged; then tune your DRIVE stage for
max ALC reading.

b

--- dmfroelich <dmfroelich@...> wrote:

>
> In peaking the ALC level during initial set-up, is
> the drive adjusted
> for full-scale meter reading or to the upper edge of
> the ALC range on
> the meter? Thanks. Don
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

2872. Re: [TS-520_820_530_830] Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 06:12:54 UTC
From: Peter A Markavage
Topic: 2865 Message: 2872

From Alan's text below: "If the peaked ALC moves beyond the max ALC range"

Additionally, the meter face has a "red line" indicator where "max" ALC should be set in the TUNE position.

Pete, wa2cwa

On Mon, 29 Nov 2004 22:24:51 -0500 Alan Wolke <w2aew@...> writes:
During the beginning portion of my tune-up with my 830S, I put the rig in TUNE, set the meter to ALC, then key up and adjust the DRIVE until the ALC reading is peaked. If there is no ALC deflection, I increase the CARrier level and then peak it. If the peaked ALC moves beyond the max ALC range, then I reduce the CAR level. I usually use a peaked ALC reading of 50-80% of the ALC scale. Once the DRIVE is peaked, I then switch to IP, and dip the plate current with the PLATE control. Then, switch to RF and peak the output with the LOAD control. I'll usually alternate a little between PLATE and LOAD to peak the output. Works dandy.

73,
Alan W2AEW

dmfroelich wrote:

>
> In peaking the ALC level during initial set-up, is the drive adjusted
> for full-scale meter reading or to the upper edge of the ALC range on
> the meter? Thanks. Don

[Non-text portions of this message have been removed]

2873. Re: [TS-520_820_530_830] Modulation level

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 16:37:37 UTC
From: Bill K0ZL
Topic: 2865 Message: 2873

Remember that ALC control voltage is derived from the final tubes' drawing grid current. By definition, the very instant a class AB amp draws grid current (grids going positive with respect to the cathode), you are overdriving the tubes.

A small amount of overdrive is not harmful; since a Class AB amp is already in distortion for half the RF cycle, a little non-linearity does not noticeably increase the odd-order distortion products (i.e., splatter). But a lot, will.

Purists would argue that ANY alc indication is not tolerable... in fact, if we run a legal limit amp, that may be true! at least for our "frequency neighbors"... but a little is OK.

I would stay away from the redline on the ALC indication on any rig; just to bump the ALC is OK but we should not be hammering it all the time.

Bill's rule of thumb: On tune-up, turn carrier down to keep ALC off the right-hand peg, so you can see the peak as you tune the DRIVE control. On voice operation, turn mic gain down until you are just bumping the ALC a bit on voice peaks. Avoid temptation to beat the heck out of it; this just increases distortion.

Peter, good observation.

--- Peter A Markavage <pmarkavage@...> wrote:

> From Alan's text below: "If the peaked ALC moves
> beyond the max ALC
> range"
>
> Additionally, the meter face has a "red line"
> indicator where "max" ALC
> should be set in the TUNE position.
>
> Pete, wa2cwa
>
>
> On Mon, 29 Nov 2004 22:24:51 -0500 Alan Wolke
> <w2aew@...> writes:
> During the beginning portion of my tune-up with my

> 830S, I put the rig
> in TUNE, set the meter to ALC, then key up and
> adjust the DRIVE until
> the ALC reading is peaked. If there is no ALC
> deflection, I increase
> the CARrier level and then peak it. If the peaked
> ALC moves beyond the
> max ALC range, then I reduce the CAR level. I
> usually use a peaked ALC
> reading of 50-80% of the ALC scale. Once the DRIVE
> is peaked, I then
> switch to IP, and dip the plate current with the
> PLATE control. Then,
> switch to RF and peak the output with the LOAD
> control. I'll usually
> alternate a little between PLATE and LOAD to peak
> the output. Works
> dandy.
>
> 73,
> Alan W2AEW
>
> dmfroelich wrote:
>
> >
> > In peaking the ALC level during initial set-up, is
> the drive adjusted
> > for full-scale meter reading or to the upper edge
> of the ALC range on
> > the meter? Thanks. Don
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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2874. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 20:10:43 UTC
From: kd4low@aol.com
Topic: 2866 Message: 2874

Walt I had an extra 6146 ,,but not 2 of them...so I thought the filaments might be open in 1 or both since I found that they r in series...so I replaced V2 I think it is..(the 1 at the back of the pa cage)..still wud not light... so I traced the filament ciruit out .and then I re sweated all the solder joint in the fil circuit .. then bam ,V2 lit up, but still not V1...of the original tubes...so I left the new V2 in place and did a quick tune up...have Plate current set at 60 Ma ,and only tuned for abt 25 W. I wuz afraid to tx long on one tube..so I thought If i found another V1, since these filament r in series.. It should work....What do ya think?.. I really appreciate all yr guys help! and bearing with me.... TNX alot....73s Jim KD4LOW....

[Non-text portions of this message have been removed]

2875. Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 22:31:57 UTC
From: Walter A. Breining
Topic: 2866 Message: 2875

Jim:
I am concerned that either you do not have bad tubes, or you have more problems than just that. If you have other problems and you put new tubes in, it could damage them. I suspect that the filament of one tube is running on 12 v and the other has no voltage.

If I follow you right, your present condition is that the tube at the front of the PA cage lights but the one at the back does not. I also understand that you have a total of 3 tubes available. Two tubes from the rig and another one that you scrounged.

If so please do the following exactly.

First, please note that every time you turn the rig on, there will be high voltage. This means that every time that you unplug the rig that high voltage will remain there for a while. You can be seriously injured, so every time that you go into the PA cage it is very important that you do the following:

Unplug the radio line cord from the outlet. Wait at least two minutes since it was unplugged. Using a screwdriver with a plastic handle, short the terminal on top of the plate choke to the chassis with the screwdriver for about 10 seconds. This terminal is the one that the leads with the parasitic choke and the plate connectors connect to. If you have a wire with two alligator clips connect it from this point to chassis ground and leave it there while you are working in the cage. Don't forget to remove it before you turn the radio back on.

Now with that in mind, do the following:

DO NOT change or remove the tube at the front of the PA cage that is lit.
Remove the tube that is at the back of the PA cage.

With the rear socket empty, plug the rig back in and tell me if the remaining (front) tube is still lit. (Don't forget to remove the clip lead from the plate choke before plugging the radio in.) Be sure the heater switch is on.

Now, IF THE FRONT TUBE IS STILL LIT unplug the radio and tell me. Wait until you hear from me and I will take you to the next step.

ONLY IF YOU ARE SURE THIS TUBE (front) is NOT NOW lit, put one of your two remaining tubes back in the rear socket. LEAVE THE FRONT TUBE AS IS. (Be sure to observe the discharging procedure outlined above). Remove the clip lead, plug the radio back in, and be sure the

filament switch is on. Tell me, Does the front tube light? Does the rear tube light?

IF BOTH TUBES NOW LIGHT unplug the radio, tell me, and wait until I get back with you. Please note that when both tubes are lit, neither will be as brightly lit, as the front one will be by itself. You may want to switch off the room light and take a second look.

IF ONLY THE FRONT TUBE LIGHTS, unplug the radio, discharge as above, and replace the REAR tube with your third tube. DO NOT REMOVE OR CHANGE THE FRONT TUBE.

Remove the clip lead, plug the radio back in, be sure the filament switch is on and tell me what tubes are lit. Unplug the radio and wait to hear from me.

Also please tell me, do you have a multimeter, such as a cheap radio shack Volt-ohm meter?

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, kd4low@a... wrote:
> Walt I had an extra 6146 ,,but not 2 of them...so I thought the filaments
> might be open in 1 or both since I found that they r in series...so I replaced V2
> I think it is..(the 1 at the back of the pa cage)..still wud not light... so
> I traced the filament ciruit out .and then I re sweated all the solder joint
> in the fil circuit .. then bam ,V2 lit up, but still not V1...of the original
> tubes...so I left the new V2 in place and did a quick tune up...have Plate
> current set at 60 Ma ,and only tuned for abt 25 W. I wuz afraid to tx long on
> one tube..so I thought If i found another V1, since these filament r in series..
> It should work....What do ya think?.. I really appreciate all yr guys help!
> and bearing with me.... TNX alot....73s Jim KD4LOW....
>
>
> [Non-text portions of this message have been removed]

2876. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-11-30 23:39:32 UTC
From: kd4low@aol.com
Topic: 2866 Message: 2876

Walt... sorry.. I have trouble somtimes typing what I am really trying to say hi hi..The tube that will lite is the 1 in the rear of the pa cage at the back of the radio right at the so 239 conn.. it is the spare that I put in place of the tubes that were already in the radio.that wud not lite .when I put in the new tube it wud still not lite either.. so when i redid the solder joints in fil circuit... then the new tube glowed.. but the old one in the front still did not...does that make any sense?...Yes on the meter have all kinds of test gear....73s... Jim KD4LOW

[Non-text portions of this message have been removed]

2877. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-01 03:04:08 UTC
From: Walt Breining
Topic: 2866 Message: 2877

Jim:
Leave the tube in the rear that is lighted. Remove the tube in the front that is not lighted. Does the tube in the rear still light?

Vy 73, Walt
----- Original Message -----
From: kd4low@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, November 30, 2004 6:39 PM
Subject: Re: [TS-520_820_530_830] Re: One more question ts820?

Walt... sorry.. I have trouble somtimes typing what I am really trying to say hi hi..The tube that will lite is the 1 in the rear of the pa cage at the back of the radio right at the so 239 conn.. it is the spare that I put in place of the tubes that were already in the radio.that wud not lite .when I put in the new tube it wud still not lite either.. so when i redid the solder joints in fil circuit... then the new tube glowed.. but the old one in the front still did not...does that make any sense?...Yes on the meter have all kinds of test gear....73s... Jim KD4LOW

[Non-text portions of this message have been removed]

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2878. How about a "Gee, what a great rig!" post?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-01 20:03:27 UTC
From: jimbart
Topic: 2878 Message: 2878

As I noted in an email to Bill-in-Zero-land, I finally got my TS830S on the air on Monday. The rig drives a dual-band dipole (Alpha-Delta DX4020) hung flat-top in the attic, at about 18' above ground. Feeder is 50 feet of RF9914F Bury-Flex coax (for durability and low-loss characteristics). The antenna is strung N-S, so major lobes are E-W. Got no idea what the other stuff in the attic does to propagation - or what the propagation does to it! MFJ901B tuner brought SWR down to about 1.2:1.

Running at about 70%-80% power, I worked my first CW QSO's in over 40 years - the first of any kind, for that matter - on 40m. On Monday, the rig got 579's from central Ohio and So. California.

Last night, signals weren't quite so good but still within reason: 569's or so from Milwaukee, WI area and central Massachusetts, and 369 from Santa Clara, Cuba. QRN seemed nastier than usual. I tried to get back to an XE in Mexico City, but no joy.

Given the constraints I placed on them (less than full power, less than ideal antenna placement and less than ideal conditions - not to say less than top-notch operator!) I'm really pleased with, and impressed by both the TS830S and the antenna.

There's a guy who posts elsewhere (eHam.net, I think) who closes his remarks by writing "Real radios glow in the dark!" Even with the IC730 as backup, I think I agree with him.

Geez, these are great rigs!

73,
Jim KE5CXX
PS: The DX4020 looks like the current DX-EE without the 15m and 10m wire. Since it doesn't appear on Alpha-Delta's website, I suspect it's been discontinued, and am quite happy to have found one.

2879. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-01 22:47:09 UTC
From: kd4low@aol.com
Topic: 2866 Message: 2879

Walt the tube in rear will NOTglow now..with the front tube gone... but the driver glows...also the tube I removed frm the front... looks to be blown.. a huge white power looking spot right in the middle of the side of the tube....73s Jim KD4LOW

[Non-text portions of this message have been removed]

2880. Re: [TS-520_820_530_830] How about a "Gee, what a great rig!" post?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 02:52:43 UTC
From: Eric Webner
Topic: 2878 Message: 2880

Hi Jim,

The important thing is, you are on-the-air! That's great.

Sounds like your antenna is parallel dipoles. One nice thing about "real radios glow in the dark," is that if you were only going to work the bands that the antenna is cut for (80 and 40 meters, for instance), then you can forget the antenna tuner. The pi-net on the 830s will still load up the antenna quite well.

I wish I had heard about "real radios glow in the dark" sooner, because I heard some guys refer to tube rigs as "geezer radios." I am only 41, and I've always used tube rigs!

73,

Eric KA8FAN

jimbart <jimb@health.state.ok.us> wrote:

As I noted in an email to Bill-in-Zero-land, I finally got my TS830S on the air on Monday. The rig drives a dual-band dipole (Alpha-Delta DX4020) hung flat-top in the attic, at about 18' above ground. Feeder is 50 feet of RF9914F Bury-Flex coax (for durability and low-loss characteristics). The antenna is strung N-S, so major lobes are E-W. Got no idea what the other stuff in the attic does to propagation - or what the propagation does to it! MFJ901B tuner brought SWR down to about 1.2:1.

Running at about 70%-80% power, I worked my first CW QSO's in over 40 years - the first of any kind, for that matter - on 40m. On Monday, the rig got 579's from central Ohio and So. California.

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Given the constraints I placed on them (less than full power, less than ideal antenna placement and less than ideal conditions - not to say less than top-notch operator!) I'm really pleased with, and impressed by both the TS830S and the antenna.

There's a guy who posts elsewhere (eHam.net, I think) who closes his remarks by writing "Real radios glow in the dark!" Even with the IC730 as backup, I think I agree with him.

Geez, these are great rigs!

73,
Jim KE5CXX
PS: The DX4020 looks like the current DX-EE without the 15m and 10m wire. Since it doesn't appear on Alpha-Delta's website, I suspect it's been discontinued, and am quite happy to have found one.

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2881. Re: How about a "Gee, what a great rig!" post?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 03:41:39 UTC
From: jimbart
Topic: 2878 Message: 2881

Thanks for the thought, Eric; I've gotten lots of encouragement and appreciate it all.

The antenna is a single wire dipole with what A-D calls an "Iso-Res" coil to load it for the lower band. If it had a capacitor, it'd be a trapped dipole, but as it is, I think the thing just acts like a loading coil. If you look at the DX-EE on the Alpha-Delta website, (http://www.alphadeltacom.com/pg1.htm), you'll see that it has three parallel dipoles, the upper for 40 & 20, the middle for 15 and the lower for 10. The DX4020 looks like just the top of that.

Comparing my Kenwood to my Novice rig is a trip. That was an open chassis homebrew 15W, crystal-controlled xmtr for 15m. Receiver was a Heathkit AR1 (a 5 band AM superhet) and antenna was a long-wire from my 2d floor bedroom window to the tree in the back yard. VHF (2m) was via a borrowed Gonsett II Communicator, about 5w out, I think, into a top-mounted 19" whip. It was all I could afford, but it was fun, and I suppose that's what counted then (and now!), especially for 1-yr Novices.

Compare the TS830 to today's stuff, and it just boggles the mind. I had no compunctions about tearing into the guts of my '49 Ford, but now I leave my Maxima to the professionals. Same-same the radios.

I hope we get to work each other one evening, but in the meantime, enjoy the glowing tubes. I don't know about you, but I like campfires better than Coleman stoves ...

73,
Jim
KE5CXX

2882. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 08:50:26 UTC
From: Walt Breining
Topic: 2866 Message: 2882

OK Jim:

Now we can arrive at some conclusions. First we know that you had the heater switch on, as you should have because the driver was lit. Since the rear tube quit glowing when you removed the front tube, C4 is not shorted and there is not a solder bridge to ground, as I thought possible.

If you have a white spot in the tube, it looks like the vacuum in the tube is gone. Tubes often have a black spot but not powdery white. Leave the tube that you have in the rear and do the following to this tube and the other one that you have on the table:

Place your meter on ohms x1 and short the leads together. Adjust the ohms adjustment for 0 OHMS.

You now need to locate pins 2 and 7 of the tubes. With the bottom of one of the tubes facing you there will be a shaft in the center of the circle of pins. This shaft will have a cog on it. Clockwise from the cog will be pin 1. The next pin clockwise will be pin 2. Mark pin 2 with a felt tip marker or crayon. Counterclockwise from the cog will be pin 8. The next pin counterclockwise will be pin 7. Mark pin 7 with a marker. Now, connect one lead of your meter to pin 2 and the other to pin 7.

Here is a link to the pin out of the 6146.

http://tdsl.duncanamps.com/show.php?des=6146

Read the Ohms.

If the filament is good meter should be 0 or very close to zero. Just as if you had the meter leads shorted.

If the meter shows infinite ohms between pins 2 and 7, just as it would if you did NOT have the meter leads connected, it has an open filament.

Now do the same thing with the other tube that is out of the radio.

Let me know what you find.

BTW, It now looks like you need to think about ordering two new tubes. Go ahead and order them but we should check some things before you put them in.

Vy 73, Walt N9WB

----- Original Message -----
From: kd4low@...
To: TS-520_820_530_830@yahoogroups.com
Sent: Wednesday, December 01, 2004 5:47 PM
Subject: Re: [TS-520_820_530_830] Re: One more question ts820?

Walt the tube in rear will NOTglow now..with the front tube gone... but the driver glows...also the tube I removed frm the front... looks to be blown.. a huge white power looking spot right in the middle of the side of the tube....73s Jim KD4LOW

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2883. New finals for TS 820 advice needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 08:59:45 UTC
From: Walter A. Breining
Topic: 2883 Message: 2883

OK everybody:

It looks like Jim is going to have to order some new tubes for his TS 820. What should he get (make and brand) and where should he order them from? Are S 2001s still available or does it make any difference?

Vy 73, Walt

2884. Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 09:17:50 UTC
From: Walter A. Breining
Topic: 2884 Message: 2884

Here is an interesting article about the 6146 family of tubes. It advises NOT using 6146 B tubes.

http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm

Vy 73, Walt

2885. Re: Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 09:33:44 UTC
From: Walter A. Breining
Topic: 2884 Message: 2885

Duhhh I see you already had this in this site's link file.
sorry, Walt

> Here is an interesting article about the 6146 family of tubes. It
> advises NOT using 6146 B tubes.
>
> http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
>
> Vy 73, Walt

2886. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 10:25:40 UTC
From: David Beet
Topic: 2884 Message: 2886

Ah - I don't see the article that way Walt. It says the 6146B is not a direct substitute for the 6146 and 6146A which were used in Collins gear. The Kenwoods were originally fitted with the S2001A which is the direct equivalent of the 6146B, so that's the one to use. What the 6146W is equivalent to depends on when it was made, but the later ones most likely to be found are comparable to the 6146B so it's ok to use them too.

regards

David
M0WAM
----- Original Message -----
From: Walter A. Breining
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, December 02, 2004 9:17 AM
Subject: [TS-520_820_530_830] Link to article RE: 6146 Tube

Here is an interesting article about the 6146 family of tubes. It
advises NOT using 6146 B tubes.

http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm

Vy 73, Walt

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2887. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 14:31:42 UTC
From: Norm Fusaro
Topic: 2884 Message: 2887

I have a spare set of tubes maked 6146B/8298A. They
must be the extra heavy duty variety that were
mentioned in the article as a substitute for the
6146B.

Dave is right in that the article says that the "B" is
not a direct substitute and that most gear will react
a bit finicky with them if not the original design.

I personally don't have any of that older gear that
used the 6146 so I can't give a first hand opinion.
73,
Norm, W3IZ

--- David Beet <david@...> wrote:

>
> Ah - I don't see the article that way Walt. It says
> the 6146B is not a direct substitute for the 6146
> and 6146A which were used in Collins gear. The
> Kenwoods were originally fitted with the S2001A
> which is the direct equivalent of the 6146B, so
> that's the one to use. What the 6146W is equivalent
> to depends on when it was made, but the later ones
> most likely to be found are comparable to the 6146B
> so it's ok to use them too.
>
> regards
>
> David
> M0WAM
> ----- Original Message -----
> From: Walter A. Breining
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, December 02, 2004 9:17 AM
> Subject: [TS-520_820_530_830] Link to article RE:
> 6146 Tube
>
>
>
> Here is an interesting article about the 6146
> family of tubes. It
> advises NOT using 6146 B tubes.
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http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
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> Vy 73, Walt
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2888. Re: [TS-520_820_530_830] New finals for TS 820 advice needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 18:09:16 UTC
From: Bill K0ZL
Topic: 2883 Message: 2888

6146B, GE is most common; order new set from RF Parts,
Westgate Parts or off ebay from a reputable seller,
Buy only 'NOS' ("new old stock") or unused tubes.

b

--- "Walter A. Breining" <n9wb@...> wrote:

>
> OK everybody:
>
> It looks like Jim is going to have to order some new
> tubes for his TS
> 820. What should he get (make and brand) and where
> should he order
> them from? Are S 2001s still available or does it
> make any
> difference?
>
> Vy 73, Walt
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2889. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 18:13:11 UTC
From: Bill K0ZL
Topic: 2884 Message: 2889

I have read that but my experiences do not support the
conclusions.

I use the B series because of the higher plate
dissipation ratings. Have never had a problem
neutralizing the GE series.

b

--- "Walter A. Breining" <n9wb@...> wrote:

>
> Here is an interesting article about the 6146 family
> of tubes. It
> advises NOT using 6146 B tubes.
>
>
http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
>
> Vy 73, Walt
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2890. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 18:15:49 UTC
From: Bill K0ZL
Topic: 2884 Message: 2890

I have also used the W's successfully; although they
have lower plate dissipation, they seem to last just
fine. And this in radios that I have done the high
power tx mod!

bill

--- David Beet <david@...> wrote:

> Ah - I don't see the article that way Walt. It says
> the 6146B is not a direct substitute for the 6146
> and 6146A which were used in Collins gear. The
> Kenwoods were originally fitted with the S2001A
> which is the direct equivalent of the 6146B, so
> that's the one to use. What the 6146W is equivalent
> to depends on when it was made, but the later ones
> most likely to be found are comparable to the 6146B
> so it's ok to use them too.
>
> regards
>
> David
> M0WAM
> ----- Original Message -----
> From: Walter A. Breining
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, December 02, 2004 9:17 AM
> Subject: [TS-520_820_530_830] Link to article RE:
> 6146 Tube
>
>
>
> Here is an interesting article about the 6146
> family of tubes. It
> advises NOT using 6146 B tubes.
>
>
>
http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
>
> Vy 73, Walt
>
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>
> ----------
>
> No virus found in this outgoing message.
> Checked by AVG Anti-Virus.
> Version: 7.0.289 / Virus Database: 265.4.4 - Release
> Date: 30/11/2004
>
>
> [Non-text portions of this message have been
> removed]
>
>

=====

"If in doubt, MODIFY" --k0zl

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2891. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 18:23:18 UTC
From: Bill K0ZL
Topic: 2884 Message: 2891

You selling these, Norm?

bill

--- Norm Fusaro <w3iz@...> wrote:

> I have a spare set of tubes maked 6146B/8298A. They
> must be the extra heavy duty variety that were
> mentioned in the article as a substitute for the
> 6146B.
>
> Dave is right in that the article says that the "B"
> is
> not a direct substitute and that most gear will
> react
> a bit finicky with them if not the original design.
>
>
> I personally don't have any of that older gear that
> used the 6146 so I can't give a first hand opinion.
> 73,
> Norm, W3IZ
>
> --- David Beet <david@...> wrote:
>
> >
> > Ah - I don't see the article that way Walt. It
> says
> > the 6146B is not a direct substitute for the 6146
> > and 6146A which were used in Collins gear. The
> > Kenwoods were originally fitted with the S2001A
> > which is the direct equivalent of the 6146B, so
> > that's the one to use. What the 6146W is
> equivalent
> > to depends on when it was made, but the later ones
> > most likely to be found are comparable to the
> 6146B
> > so it's ok to use them too.
> >
> > regards
> >
> > David
> > M0WAM
> > ----- Original Message -----
> > From: Walter A. Breining
> > To: TS-520_820_530_830@yahoogroups.com

> > Sent: Thursday, December 02, 2004 9:17 AM
> > Subject: [TS-520_820_530_830] Link to article
> RE:
> > 6146 Tube
> >
> >
> >
> > Here is an interesting article about the 6146
> > family of tubes. It
> > advises NOT using 6146 B tubes.
> >
> >
> >
>
http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
> >
> > Vy 73, Walt
> >
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> >
> > ----------
> >
> > No virus found in this outgoing message.

> > Checked by AVG Anti-Virus.
> > Version: 7.0.289 / Virus Database: 265.4.4 -
> Release
> > Date: 30/11/2004
> >
> >
> > [Non-text portions of this message have been
> > removed]
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"If in doubt, MODIFY" --k0zl

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2892. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 23:05:30 UTC
From: Peter A Markavage
Topic: 2884 Message: 2892

Like Bill, my own experiences over the years with the 6146 family don't support all the conclusions drawn from Glen's site. I've used B's in early Heathkit and Johnson rigs all the time . Currently, my Apache has a pair of B's in it and so does my Valiant(actually 3 of them). My Johnson Ranger has one. My 830S and T-599D also have a pair of B's in them. During a contest years ago, one of my S2001A's failed in my Kenwood T-599D transmitter. Didn't have any B's handy, so pulled out the other S2001A and replaced the both of them with a pair of 6146A's. No problems here either other than not running them as hard. Of course, Glen has his own experiences and drawn conclusions.

Pete, wa2cwa

On Thu, 2 Dec 2004 10:13:11 -0800 (PST) Bill K0ZL <coorsbill@...> writes:
I have read that but my experiences do not support the conclusions.

I use the B series because of the higher plate dissipation ratings. Have never had a problem neutralizing the GE series.

b

--- "Walter A. Breining" <n9wb@...> wrote:

>
> Here is an interesting article about the 6146 family of tubes. It
> advises NOT using 6146 B tubes.
>
>
http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
>
> Vy 73, Walt

[Non-text portions of this message have been removed]

2893. Re: [TS-520_820_530_830] Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 23:18:50 UTC
From: kd4low@aol.com
Topic: 2866 Message: 2893

Walt..I tested the tubes like u said... both have open filament....but I rembered that in my junk room I had a Heath HW100...so I robbed the 6146As out of it... put them in they work great...Also U wont belive this, but in my junk room I found the service manual for the 820. so now I Have a schem for the pa stage... Also will the 6146As work ok in the 820? If so I go ahead and netrulize and find a mic to wire up....one more thing.. When I powered up the radio.... I lost my digital display..(If it is not 1 thing it is another HI Hi).. But I worry abt that some other time..PLS let me know what u think abt the 6146As...TNX a Million!!! I really learned alot.....73s.... Jim KD4LOW.

[Non-text portions of this message have been removed]

2894. RE: [TS-520_820_530_830] New finals for TS 820 advice needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-02 23:02:46 UTC
From: Walter Milton
Topic: 2883 Message: 2894

Walt,

When I had to retube my TS-830S I ordered GE 6146B from RF Parts,
www.frparts.com.

Walt, KA2NJF
-----Original Message-----
From: Walter A. Breining [mailto:n9wb@...]
Sent: Thursday, December 02, 2004 4:00 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] New finals for TS 820 advice needed

OK everybody:

It looks like Jim is going to have to order some new tubes for his TS
820. What should he get (make and brand) and where should he order
them from? Are S 2001s still available or does it make any
difference?

Vy 73, Walt

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[Non-text portions of this message have been removed]

2895. Re: [TS-520_820_530_830] 6146 + 12by7a source

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 01:56:29 UTC
From: james27613@att.net
Topic: 2895 Message: 2895

Hi,

Here is another source for the 6146W and 12by7a tubes
by GE made in USA JAN

http://www.surplussales.com/Tubes-Sock-Acc/TubeSpecials.html

73 ke4drn james

2896. RE: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 03:38:16 UTC
From: William Bottger
Topic: 2884 Message: 2896

Can someone please explain the harmonics that sometimes cause the
tube finals to meltdown/overheat/short-out? That is some scary stuff
and I would like to avoid any possibility of that occurring in my 520.
thanks

>> I use the B series because of the higher plate
>> dissipation ratings. Have never had a problem
>> neutralizing the GE series.

2897. Re: [TS-520_820_530_830] New finals for TS 820 advice needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 06:27:21 UTC
From: Peter A Markavage
Topic: 2883 Message: 2897

It works better as www.rfparts.com.

On Thu, 2 Dec 2004 18:02:46 -0500 "Walter Milton" <wmilton@...>
writes:
Walt,

When I had to retube my TS-830S I ordered GE 6146B from RF Parts,
www.frparts.com.

Walt, KA2NJF

[Non-text portions of this message have been removed]

2898. RE: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 14:46:02 UTC
From: Bill K0ZL
Topic: 2884 Message: 2898

Harmonics don't melt down tubes, excessive plate dissipation for too-long of a time does it.

There are several ways of getting excess plate dissipation:

Running the transmitter with the PLATE circuit out of resonance (out of the dip) for a long period of time, say in excess of ten seconds.

Running excess carrier in the digital modes, or in AM or FM (not applicable to those rigs that don't have those modes of course).

If your SSB idle current is 60mA, let's say that is split up between the two tubes, evenly. That is 30mA or 0.03 amperes per tube. If your plate voltage is 800 volts which is typical, you are running 0.03*800 watts or about 24 watts per tube of plate dissipation or heat. Since it's all DC current, and none of that power is getting transferred out of the set in the form of RF, ALL that heat must be dissipated or got rid of by the tube plate and other elements (glass, plate top cap, and base).

So if your tubes are rated at 25 watts plate dissipation, and you are running 24 watts just at SSB idle, not much left is there? That would be the case for the 6146, -A, and -W versions.

Never fear however; the 6146, of any version, is built to take some abuse; That's why the 6146, 6146A and 6146W do just fine in the Kenwood hybrids. The trick to making these tubes last a long time, as with any other tube, is to keep tune-up times as short as possible.

Same rules apply to rigs with the B series of tubes; you just have a bit more time to play with, is all.

Now running SSB on any version of tube is not a problem. Average dissipation only increases about 20 percent, and that is just on voice syllables, so you are really not beating hell out of the tubes on voice.

CW runs a little higher on average, but again since it's not 100 percent duty cycle like AM, FM, PSK or

RTTY, you are still OK.

If you are going to run PSK, AM, or FM, at any carrier level exceeding about ten watts, you need to upgrade to 6146B tubes and reneutralize.

If you are going to do the high-power mod, in which the screen voltage is jacked up for higher output, you will also need to go to the 6146B. I have used the 6146W for such a mod, by customer's request, but I am more comfortable with a fresh pair of 6146Bs in such a situation.

--- William Bottger <billabott@...> wrote:

>
> Can someone please explain the harmonics that
> sometimes cause the
> tube finals to meltdown/overheat/short-out? That is
> some scary stuff
> and I would like to avoid any possibility of that
> occurring in my 520.
> thanks
>
> >> I use the B series because of the higher plate
> >> dissipation ratings. Have never had a problem
> >> neutralizing the GE series.
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2899. RE: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 14:45:36 UTC
From: Bill K0ZL
Topic: 2884 Message: 2899

Harmonics don't melt down tubes, excessive plate dissipation for too-long of a time does it.

There are several ways of getting excess plate dissipation:

Running the transmitter with the PLATE circuit out of resonance (out of the dip) for a long period of time, say in excess of ten seconds.

Running excess carrier in the digital modes, or in AM or FM (not applicable to those rigs that don't have those modes of course).

If your SSB idle current is 60mA, let's say that is split up between the two tubes, evenly. That is 30mA or 0.03 amperes per tube. If your plate voltage is 800 volts which is typical, you are running 0.03*800 watts or about 24 watts per tube of plate dissipation or heat. Since it's all DC current, and none of that power is getting transferred out of the set in the form of RF, ALL that heat must be dissipated or got rid of by the tube plate and other elements (glass, plate top cap, and base).

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Now running SSB on any version of tube is not a problem. Average dissipation only increases about 20 percent, and that is just on voice syllables, so you are really not beating hell out of the tubes on voice.

CW runs a little higher on average, but again since it's not 100 percent duty cycle like AM, FM, PSK or

RTTY, you are still OK.

If you are going to run PSK, AM, or FM, at any carrier
level exceeding about ten watts, you need to upgrade
to 6146B tubes and reneutralize.

If you are going to do the high-power mod, in which
the screen voltage is jacked up for higher output, you
will also need to go to the 6146B. I have used the
6146W for such a mod, by customer's request, but I am
more comfortable with a fresh pair of 6146Bs in such a
situation.

--- William Bottger <billabott@...> wrote:

>
> Can someone please explain the harmonics that
> sometimes cause the
> tube finals to meltdown/overheat/short-out? That is
> some scary stuff
> and I would like to avoid any possibility of that
> occurring in my 520.
> thanks
>
> >> I use the B series because of the higher plate
> >> dissipation ratings. Have never had a problem
> >> neutralizing the GE series.
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2900. RE: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 15:10:17 UTC
From: Paul Manuel
Topic: 2884 Message: 2900

--- Bill K0ZL <coorsbill@...> wrote:
> Harmonics don't melt down tubes, excessive plate
> dissipation for too-long of a time does it.

I think he's referring to the spurious output that comes from improper neutralization (not necessarily harmonically related) which, of course, often results in excessive plate dissipation. Bill, you can explain things much better than I...
73,
Paul K4PDM

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2901. Re: One more question ts820?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 15:17:35 UTC
From: Walter A. Breining
Topic: 2866 Message: 2901

Hello Jim:

I'm glad that that solved the problem. I hope it didn't seem like I was giving you the run around, but I didn't know how much you
knew and I was afraid that you had a short to ground between the two tubes, causing one to be getting 12V on a 6V filament. This would have caused a new tube either to loose its filament or would have quickly damaged the cathode. Since both tubes now light, you are past this problem.

I assume that you have seen the posts on here answering my questions about 6146 tubes. There is an article that says that 6146B tubes don't work very well but everybody else seems to be using them without any problems.

I suspect the writer of the article may be using them on frequencies much higher than 30 MHz and they may have slightly different inter-electrode capacitance than the older ones. Probably the range of the neutralization circuit in the Kenwood radios is intentionally designed wide enough to accommodate 6146B tubes well.

If your 6146A tubes are good, they should work just fine. If you are getting 80 to 90 watts on 28.300 CW with the rig properly tuned up and the carrier control full up they are fine.

Be sure to have the final cage back together and reset the idle current back to 60 Ma. This will change now that you have good tubes.

I have used both 6146 A, B, and W tubes in 820s without problems over the years, but my experience is limited to 4 or 5 820s that I and close friends have owned so I wanted the opinions of the group.

If you do decide to get new 6146 tubes, you can get them at RF parts or surplus sales, see the posts from others on the web.

Do you know how to neutralize the tubes? It must be done with the final cage on. High voltages are present on the neutralization cap so be careful.

Now about your readout, first, be sure the VFO plug on the back is all the way in. There is a little power supply board mounted just behind the readout circuit box. Be sure the plug is on this correctly and check the underside of the board for cracked solder connections particularly at the base of the big transistor (actually a 5v regulator IC). Be sure

the plugs to the main readout circuit box are plugged in properly.

In none of this helps there are issues involving bad grounds and interconnect plugs inside the readout circuit box. But lets go there if the above does not work.

Good luck on your General tomorrow!

Vy 73, Walt N9WB

--- In TS-520_820_530_830@yahoogroups.com, kd4low@a... wrote:
> Walt..I tested the tubes like u said... both have open filament....but I
> rembered that in my junk room I had a Heath HW100...so I robbed the 6146As out of
> it... put them in they work great...Also U wont belive this, but in my junk
> room I found the service manual for the 820. so now I Have a schem for the pa
> stage... Also will the 6146As work ok in the 820? If so I go ahead and netrulize
> and find a mic to wire up....one more thing.. When I powered up the radio....
> I lost my digital display..(If it is not 1 thing it is another HI Hi).. But I
> worry abt that some other time..PLS let me know what u think abt the
> 6146As...TNX a Million!!! I really learned alot......73s.... Jim KD4LOW.
>
>
> [Non-text portions of this message have been removed]

2902. TS-820S For Sale

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 14:42:02 UTC
From: stevemp@storm.ca
Topic: 2902 Message: 2902

Hi Folks,

I have a TS-820S for sale. It is in very good shape. I have only had it for a few months myself.

I have the original box, manual and power cord. The hand mic is a replacement that I got with it. It says Ray Jefferson on the mic.

I have two extra sets of output tubes and three extra driver tubes. I will check on the exact model numbers on the tubes at home tonight. I also have two packages of the meters lamps from Radio Shack.

I am asking $350 Canadian which is $300 US.

Thanks,
Steve Phillips
VA3SPX

>
>
> --- Bill K0ZL <coorsbill@...> wrote:
> > Harmonics don't melt down tubes, excessive plate
> > dissipation for too-long of a time does it.
>
> I think he's referring to the spurious output that comes from improper
> neutralization (not necessarily harmonically related) which, of course,
> often results in excessive plate dissipation. Bill, you can explain things
> much better than I...
> 73,
> Paul K4PDM
>
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2903. TS-820s Noisy receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 19:37:53 UTC
From: tetrodehead
Topic: 2903 Message: 2903

Hi all,

Great discussion on the 6164 series!

On receive, my rig seems to have excessive and consistent 'white'
noise on all bands.
I tried with a dummy load connected and have the same noise as
follows:
AF gain 2, RF gain 10 = loud noise.
AF gain 10, RF gain 0 = no noise.
Noise increases with RF gain.

Does it need the caps replacement fix?

Cheers Dave

2904. Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 21:00:55 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2903 Message: 2904

What does this mean...other than I need to adjust something...When I switch my ts-520s to the CAL-25 position I find that the tones generated to not fall at 25 kHz intervals (according to the dial at least). It seems more like 28 or 29 kHz intervals. I would assume this is not normal. I have read through the owners manual twice and am not sure I am seeing what I need to adjust. I would imagine the is a simple turn of a screw kind of adjustment but I am not finding what I need to adjust. Is there a spot for the required tweakage?

Thanks yet again guys,

Sean - WA2LKV

2905. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 22:55:07 UTC
From: Peter A Markavage
Topic: 2903 Message: 2905

User manual, page 18 and 19, Section 4.4, Calibration, gives you all the info you need to calibrate the dial.
Pete, wa2cwa

On Fri, 03 Dec 2004 15:00:55 -0600 "Sean.....He's the cat that won't cop out even when there's danger all about....." <seanfried@...> writes:
What does this mean...other than I need to adjust something...When I switch
my ts-520s to the CAL-25 position I find that the tones generated to not fall at 25 kHz intervals (according to the dial at least). It seems more like 28 or 29 kHz intervals. I would assume this is not normal. I have read
through the owners manual twice and am not sure I am seeing what I need to
adjust. I would imagine the is a simple turn of a screw kind of adjustment
but I am not finding what I need to adjust. Is there a spot for the required
tweakage?

Thanks yet again guys,

Sean - WA2LKV

[Non-text portions of this message have been removed]

2906. Re: [TS-520_820_530_830] TS-820s Noisy receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-03 23:56:54 UTC
From: Bill K0ZL
Topic: 2903 Message: 2906

Does the noise change level as you rotate the DRIVE
tuning?

b

--- tetrodehead <dave.crooks@...> wrote:

>
> Hi all,
>
> Great discussion on the 6164 series!
>
> On receive, my rig seems to have excessive and
> consistent 'white'
> noise on all bands.
> I tried with a dummy load connected and have the
> same noise as
> follows:
> AF gain 2, RF gain 10 = loud noise.
> AF gain 10, RF gain 0 = no noise.
> Noise increases with RF gain.
>
> Does it need the caps replacement fix?
>
> Cheers Dave
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2907. RE: [TS-520_820_530_830] New finals for TS 820 advice needed

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 02:56:57 UTC
From: Walter Milton
Topic: 2883 Message: 2907

OK Walt, so I was a little quick on the trigger ;-) Thanks

Walt, KA2NJF
-----Original Message-----
From: Peter A Markavage [mailto:pmarkavage@...]
Sent: Friday, December 03, 2004 1:27 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] New finals for TS 820 advice needed

It works better as www.rfparts.com.

On Thu, 2 Dec 2004 18:02:46 -0500 "Walter Milton" <wmilton@...>
writes:
Walt,

When I had to retube my TS-830S I ordered GE 6146B from RF Parts,
www.frparts.com.

Walt, KA2NJF

[Non-text portions of this message have been removed]

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a.. To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/

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Service.

[Non-text portions of this message have been removed]

2908. KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 06:34:46 UTC
From: aa5jj@yahoo.com
Topic: 2908 Message: 2908

Hello I just picked up and old KNWD TS530se and it seems to work pretty good except I can not load it up using the tune position on the selector, I have to put it in CW and tune it up, any ideas what the problem is ?

73 Wayne AA5JJ

2909. Re: [TS-520_820_530_830] TS-820s Noisy receive

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 08:56:14 UTC
From: Dave & Loraine
Topic: 2903 Message: 2909

Hi Bill,

Yes. She peaks up.
Dave

2910. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 12:27:59 UTC
From: Paul Manuel
Topic: 2903 Message: 2910

--- Peter A Markavage <pmarkavage@...> wrote:

> User manual, page 18 and 19, Section 4.4, Calibration, gives you all
> the info you need to calibrate the dial.

Peter,
If he really means what he is saying, then dial calibration is not his problem.
He says the calibrator comes in at 28-29kHz intervals, not the proper 25 kHz intervals. This would mean he has a 28 or 29kHz calibrator now and would indicate a problem in the calibrator circuit, I would think..
73,
Paul K4PDM

_____
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http://promotions.yahoo.com/new_mail

2911. Re: [TS-520_820_530_830] KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 13:08:55 UTC
From: Bill K0ZL
Topic: 2908 Message: 2911

needs tune up of the RF deck wayne. what band did you
try it on?

try 80m first; should be able to get alc on 80m in
tune pos

b

--- aa5jj@... wrote:

>
> Hello I just picked up and old KNWD TS530se and it
> seems to work
> pretty good except I can not load it up using the
> tune position on
> the selector, I have to put it in CW and tune it up,
> any ideas what
> the problem is ?
>
> 73 Wayne AA5JJ
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2912. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 15:27:00 UTC
From: donii@sympatico.ca
Topic: 2903 Message: 2912

Peter and Paul
One should use WWV or the Canadian Research Council tmi clocks to verify if th emarker is off frequency. If the marker is crystal controlled I don't see how it can be that far off. I personally think its the main dial scale that for some reson moved or some additional C was introduced into the vfo. Maybe a cap gone bad or a solder connection becoming faulty.

Here's a link to a list of all the shortwave time standard transmissions. << http://www.npl.co.uk/time/time_trans.html >>

Peter
VE2FAR

2913. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 15:44:41 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2903 Message: 2913

No, no, that is not the problem...If I calibrate the dial for instance to zero beat a marker tone at 0 then when 25 comes around on the dial there is not a marker tone. The next marker tone zeros at about 29. I know how to set the dial but I can not figure out how to make the CAL-25 tone increments fall on the 25 increments on the dial. Hope that makes sense.

>From: Peter A Markavage <pmarkavage@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Calibration
>Date: Fri, 3 Dec 2004 17:55:07 -0500
>
>User manual, page 18 and 19, Section 4.4, Calibration, gives you all the
>info you need to calibrate the dial.
>Pete, wa2cwa
>
>On Fri, 03 Dec 2004 15:00:55 -0600 "Sean.....He's the cat that won't cop
>out even when there's danger all about....." <seanfried@...>
>writes:
>What does this mean...other than I need to adjust something...When I
>switch
>my ts-520s to the CAL-25 position I find that the tones generated to not
>fall at 25 kHz intervals (according to the dial at least). It seems more
>like 28 or 29 kHz intervals. I would assume this is not normal. I have
>read
>through the owners manual twice and am not sure I am seeing what I need
>to
>adjust. I would imagine the is a simple turn of a screw kind of
>adjustment
>but I am not finding what I need to adjust. Is there a spot for the
>required
>tweakage?
>
>Thanks yet again guys,
>
>Sean - WA2LKV
>
>[Non-text portions of this message have been removed]
>

2914. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 15:46:41 UTC
From: Sean.....He's the cat that won't cop out
Topic: 2903 Message: 2914

Yes, that is what I mean. I do not know the problem but you are correct the intervals are more like 29 kHz than 25 kHz...still seems like there should be a divide circuit or something I could tweak with a trimmer pot of some kind to adjust this.

>From: Paul Manuel <k4pdm@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Calibration
>Date: Sat, 4 Dec 2004 04:27:59 -0800 (PST)
>
>
>--- Peter A Markavage <pmarkavage@...> wrote:
>
> > User manual, page 18 and 19, Section 4.4, Calibration, gives you all
> > the info you need to calibrate the dial.
>
>Peter,
>If he really means what he is saying, then dial calibration is not his
>problem.
>He says the calibrator comes in at 28-29kHz intervals, not the proper 25
>kHz intervals. This would mean he has a 28 or 29kHz calibrator now and
>would indicate a problem in the calibrator circuit, I would think..
>73,
>Paul K4PDM
>
>
>
>_____
>Do you Yahoo!?
>Yahoo! Mail - Helps protect you from nasty viruses.
>http://promotions.yahoo.com/new_mail

2915. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 15:50:28 UTC
From: Eric Webner
Topic: 2903 Message: 2915

I agree. The first thing to do would be to tune in wwv, slightly off zerobeat so you can hear the carrier, turn the calibrator on, then tune the calibrator adjustment such that it makes the same tone. Try it out and see if the calibrator works every 25 kHz as it should. If not, then perhaps the problem lies elsewhere.

Eric KA8FAN

"donii@..." <donii@...> wrote:
Peter and Paul
One should use WWV or the Canadian Research Council tmi clocks to verify
if th emarker is off frequency. If the marker is crystal controlled I
don't see how it can be that far off. I personally think its the main
dial scale that for some reson moved or some additional C was introduced
into the vfo. Maybe a cap gone bad or a solder connection becoming faulty.

Here's a link to a list of all the shortwave time standard
transmissions. << http://www.npl.co.uk/time/time_trans.html >>

Peter
VE2FAR

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2916. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 15:54:49 UTC
From: donii@sympatico.ca
Topic: 2903 Message: 2916

Ok but
What IM suggesting is that you determine whether you marker is working correctly or not. I would try to Get wwv and them turn on the marker. If its right the marker should sit pretty much on top of WWV. If its off then it will be way down the dial.
Question: When you set the dail to 0 at the first 25Khz does the second '25Khz' appear at 29Khz then 54Khz and 83Khz or do they appear at 29, 58, 87 etc ?
Peter
VE2FAR

2917. Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 18:03:39 UTC
From: Greg
Topic: 2908 Message: 2917

I had the same problem with my TS-820s. I my caes, in the TUNE position, I got a "hardly noticable" amount of meter movment in both the RF, and IC METER positions. I have some posts to the group that explain the problem in detail. Maybe you can do a search (by group name) for all my postings to the group.

Bill made a recommandation which was to look for a bad resistor on the voltage dividing network on the PS board. See Bills reply post, if you can find it....or he may have included it in the FILES section of common problems and their fix.

Please note that the original equipment resistor did not appear burnt and testing it with an ohm meter actually gave a resistance reading, but the readings where intermittant, and seemed to vary in value, every time I tested it with my DMM (out of cct of course)...BTW, this taught me a lesson in testing resistors!!!

So replacing it gave me the 10 watts of beuatiful tune up power required to get nice meter movment in the TUNE postion. I no longer have to tune up using the CW postion at the full 100 Watts..While this may not be the cause of your problem, it may be a good place to test.

73 & GL
Greg
VA3VFO

--- In TS-520_820_530_830@yahoogroups.com, aa5jj@y... wrote:
>
> Hello I just picked up and old KNWD TS530se and it seems to work
> pretty good except I can not load it up using the tune position on
> the selector, I have to put it in CW and tune it up, any ideas what
> the problem is ?
>
> 73 Wayne AA5JJ

2918. Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-04 18:13:17 UTC
From: Greg
Topic: 2908 Message: 2918

Just to clear-up my lasr reply, in helping you compare problems: in my case I got no meter movement (or just a "hair" if you looked very closly) in ALL the meter positions. Not only when trying to tune, with the METER switch in RF and IP positions, but also in the ALC postion.

Does your meter needle remain dead when trying to tune (while in TUNE not CW) in all these METER switch positons? If so, it may be the same bad resistor in the voltage divider, as I experienced.

Greg
VA3VFO

- In TS-520_820_530_830@yahoogroups.com, "Greg" <va3vfo@r...> wrote:
>
> I had the same problem with my TS-820s. I my caes, in the TUNE
> position, I got a "hardly noticable" amount of meter movment in
both
> the RF, and IC METER positions. I have some posts to the group that
> explain the problem in detail. Maybe you can do a search (by group
> name) for all my postings to the group.
>
>

2919. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 00:33:32 UTC
From: Eric Webner
Topic: 2903 Message: 2919

Sean,

I don't know if you understood my earlier message, but it sounds like the calibrator is giving you markers every 28-29 kHz, instead of every 25. The calibrator adjustment procedure out of the Service manual, section 3-20, says to tune in WWV for zerobeat (the carrier, not the audio tone they transmit), then adjust TC1 on the marker board until it is zeroed with wwv also. I don't know how much range capacitor TC1 has, so it adjustment of that doesn't work, perhaps another component is giving you a problem.

Let me know if the marker calibration works.

73,

Eric

"Sean.....He's the cat that won't cop out even when there's danger all about....."
<seanfried@hotmail.com> wrote:
No, no, that is not the problem...If I calibrate the dial for instance to
zero beat a marker tone at 0 then when 25 comes around on the dial there is
not a marker tone. The next marker tone zeros at about 29. I know how to set
the dial but I can not figure out how to make the CAL-25 tone increments
fall on the 25 increments on the dial. Hope that makes sense.

>From: Peter A Markavage <pmarkavage@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: Re: [TS-520_820_530_830] Calibration
>Date: Fri, 3 Dec 2004 17:55:07 -0500
>
>User manual, page 18 and 19, Section 4.4, Calibration, gives you all the
>info you need to calibrate the dial.
>Pete, wa2cwa
>
>On Fri, 03 Dec 2004 15:00:55 -0600 "Sean.....He's the cat that won't cop
>out even when there's danger all about....." <seanfried@...>
>writes:
>What does this mean...other than I need to adjust something...When I
>switch
>my ts-520s to the CAL-25 position I find that the tones generated to not
>fall at 25 kHz intervals (according to the dial at least). It seems more
>like 28 or 29 kHz intervals. I would assume this is not normal. I have
>read
>through the owners manual twice and am not sure I am seeing what I need
>to
>adjust. I would imagine the is a simple turn of a screw kind of
>adjustment

>but I am not finding what I need to adjust. Is there a spot for the
>required
>tweakage?
>
>Thanks yet again guys,
>
>Sean - WA2LKV
>
>[Non-text portions of this message have been removed]
>

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2920. Re: [TS-520_820_530_830] Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 00:49:26 UTC
From: Eric Webner
Topic: 2908 Message: 2920

Wayne,

My input is probably off track, but may be something you wouldn't think of. Pardon me, also, if it doesn't apply to your TS-530S.

A number of years ago, I made my TS-520 into a bit of a "hot-rod." One of the mods I did was to install the Fox-Tango cascade filter set, which gave me 16 poles of filtering. I also installed a (too narrow) 250 Hz filter for CW.

If memory serves, it was the 250 Hz filter that caused my 520 to not work in the "TUNE" position, since it has a high insertion loss.

Maybe your rig has a similar tight filter.

73,

Eric KA8FAN

Greg <va3vfo@...> wrote:

I had the same problem with my TS-820s. I my caes, in the TUNE position, I got a "hardly noticable" amount of meter movment in both the RF, and IC METER positions. I have some posts to the group that explain the problem in detail. Maybe you can do a search (by group name) for all my postings to the group.

Bill made a recommandation which was to look for a bad resistor on the voltage dividing network on the PS board. See Bills reply post, if you can find it....or he may have included it in the FILES section of common problems and their fix.

Please note that the original equipment resistor did not appear burnt and testing it with an ohm meter actually gave a resistance reading, but the readings where intermittant, and seemed to vary in value, every time I tested it with my DMM (out of cct of course)...BTW, this taught me a lesson in testing resistors!!!

So replacing it gave me the 10 watts of beuatiful tune up power required to get nice meter movment in the TUNE postion. I no longer have to tune up using the CW postion at the full 100 Watts..While this may not be the cause of your problem, it may be a good place to test.

73 & GL
Greg
VA3VFO

--- In TS-520_820_530_830@yahoogroups.com, aa5jj@y... wrote:
>
> Hello I just picked up and old KNWD TS530se and it seems to work
> pretty good except I can not load it up using the tune position on
> the selector, I have to put it in CW and tune it up, any ideas what
> the problem is ?
>
> 73 Wayne AA5JJ

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2921. Crook Resistor Causes "Tune" Difficulty

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 05:27:45 UTC
From: Irena and Richard Jenkins
Topic: 2921 Message: 2921

Cab someone please expand on the location of the suspect resistor. My TS-530S seems to put the power up the antenna ... but in the "Tune" position I frequently get no indication on the dial. Makes the tune up a bit of a 'hit and miss' business. Thanks

Richard
--
--
Irena & Richard Jenkins VK1NDV & VK1RJ
Canberra, AUSTRALIA
++

2922. Iambic Paddle Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 09:52:26 UTC
From: capecuatro
Topic: 2922 Message: 2922

I have just purchased a Vibroplex Iambic Paddle. In order to use it with a TS-830 How Do I Do? It only accepts a straight key. Plese help

2923. Re: Iambic Paddle Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 11:54:58 UTC
From: John
Topic: 2922 Message: 2923

When I run my iambic paddle on my TS-830, I use a Logikit CMOS-4 keyer by Idion Press. It has a jumper inside on the board that allows you to switch from solid state and Grid Block (for tube rigs like the 830). I plug the paddles into the keyer and the keyer plugs into the rig..simple and your speed control and memories are right on the keyer. Take a look at the reviews for this keyer on Eham, it is rated very highly. Good luck
John KG9HV

--- In TS-520_820_530_830@yahoogroups.com, "capecuatro" <capecuatro@y...> wrote:
>
> I have just purchased a Vibroplex Iambic Paddle. In order to use it
> with a TS-830 How Do I Do? It only accepts a straight key. Plese help

2924. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 12:51:44 UTC
From: Bill K0ZL
Topic: 2903 Message: 2924

Does the next one come in at 54 (25+29) or at 58
(29+29)?

bill

--- "Sean.....He's the cat that won't cop out even
when there's danger all about....."
<seanfried@...> wrote:

> No, no, that is not the problem...If I calibrate the
> dial for instance to
> zero beat a marker tone at 0 then when 25 comes
> around on the dial there is
> not a marker tone. The next marker tone zeros at
> about 29. I know how to set
> the dial but I can not figure out how to make the
> CAL-25 tone increments
> fall on the 25 increments on the dial. Hope that
> makes sense.
>
> ...

=====

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2925. Re: [TS-520_820_530_830] Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 12:56:43 UTC
From: Bill K0ZL
Topic: 2908 Message: 2925

Was that the 470 ohm resistor that supplies the 210
from the 300v supply?

Make sure you don't "overrate" the power on this thing
when replacing; it's really a fuse! hi.

bill

--- Greg <va3vfo@...> wrote:

>
> I had the same problem with my TS-820s. I my caes,
> in the TUNE
> position, I got a "hardly noticable" amount of meter
> movment in both
> the RF, and IC METER positions. I have some posts to
> the group that
> explain the problem in detail. Maybe you can do a
> search (by group
> name) for all my postings to the group.
>
> Bill made a recommandation which was to look for a
> bad resistor on
> the voltage dividing network on the PS board. See
> Bills reply post,
> if you can find it....or he may have included it in
> the FILES section
> of common problems and their fix.
>
> Please note that the original equipment resistor did
> not appear burnt
> and testing it with an ohm meter actually gave a
> resistance reading,
> but the readings where intermittant, and seemed to
> vary in value,
> every time I tested it with my DMM (out of cct of
> course)...BTW, this
> taught me a lesson in testing resistors!!!
>
> So replacing it gave me the 10 watts of beuatiful
> tune up power
> required to get nice meter movment in the TUNE
> postion. I no longer
> have to tune up using the CW postion at the full 100
> Watts..While
> this may not be the cause of your problem, it may be

> a good place to
> test.
>
> 73 & GL
> Greg
> VA3VFO
>
> --- In TS-520_820_530_830@yahoogroups.com,
> aa5jj@y... wrote:
> >
> > Hello I just picked up and old KNWD TS530se and it
> seems to work
> > pretty good except I can not load it up using the
> tune position on
> > the selector, I have to put it in CW and tune it
> up, any ideas what
> > the problem is ?
> >
> > 73 Wayne AA5JJ
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2926. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 13:26:09 UTC
From: Bill K0ZL
Topic: 2903 Message: 2926

I think his divider chip is bad, or the power supply
to the chip is low.

b

--- Eric Webner <ka8fan@...> wrote:

>
> Sean,
>
> I don't know if you understood my earlier message,
> but it sounds like the calibrator is giving you
> markers every 28-29 kHz, instead of every 25. The
> calibrator adjustment procedure out of the Service
> manual, section 3-20, says to tune in WWV for
> zerobeat (the carrier, not the audio tone they
> transmit), then adjust TC1 on the marker board until
> it is zeroed with wwv also. I don't know how much
> range capacitor TC1 has, so it adjustment of that
> doesn't work, perhaps another component is giving
> you a problem.
>
> Let me know if the marker calibration works.
>
> 73,
>
> Eric
>
>
> "Sean.....He's the cat that won't cop out even when
> there's danger all about....."
> <seanfried@...> wrote:
> No, no, that is not the problem...If I calibrate the
> dial for instance to
> zero beat a marker tone at 0 then when 25 comes
> around on the dial there is
> not a marker tone. The next marker tone zeros at
> about 29. I know how to set
> the dial but I can not figure out how to make the
> CAL-25 tone increments
> fall on the 25 increments on the dial. Hope that
> makes sense.
>
> >From: Peter A Markavage <pmarkavage@...>
> >Reply-To: TS-520_820_530_830@yahoogroups.com
> >To: TS-520_820_530_830@yahoogroups.com

> >Subject: Re: [TS-520_820_530_830] Calibration
> >Date: Fri, 3 Dec 2004 17:55:07 -0500
> >
> >User manual, page 18 and 19, Section 4.4,
> Calibration, gives you all the
> >info you need to calibrate the dial.
> >Pete, wa2cwa
> >
> >On Fri, 03 Dec 2004 15:00:55 -0600 "Sean.....He's
> the cat that won't cop
> >out even when there's danger all about....."
> <seanfried@...>
> >writes:
> >What does this mean...other than I need to adjust
> something...When I
> >switch
> >my ts-520s to the CAL-25 position I find that the
> tones generated to not
> >fall at 25 kHz intervals (according to the dial at
> least). It seems more
> >like 28 or 29 kHz intervals. I would assume this is
> not normal. I have
> >read
> >through the owners manual twice and am not sure I
> am seeing what I need
> >to
> >adjust. I would imagine the is a simple turn of a
> screw kind of
> >adjustment
> >but I am not finding what I need to adjust. Is
> there a spot for the
> >required
> >tweakage?
> >
> >Thanks yet again guys,
> >
> >Sean - WA2LKV
> >
> >[Non-text portions of this message have been
> removed]
> >
>
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2927. Re: [TS-520_820_530_830] Iambic Paddle Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 13:31:48 UTC
From: Bill K0ZL
Topic: 2922 Message: 2927

The 830 does not have a built in keyer; you will need
a keyer box between the paddle and the rig. The
Vibroplex is a very fine set of paddles by the way, so
it's worth it.

You can build your own based on the Curtis 8044ABM
chip (just google that for 8044abm kits, keyers, etc)
OR you can "buy the box" from MFJ or one of the other
manuf's for less than 100 bux.

b

--- capecuatro <capecuatro@...> wrote:

>
> I have just purchased a Vibroplex Iambic Paddle. In
> order to use it
> with a TS-830 How Do I Do? It only accepts a
> straight key. Plese help
>
>
>
>
>
>

=====

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2928. Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 13:46:18 UTC
From: Larry Waisner
Topic: 2928 Message: 2928

Hello Every One,

Thank You Bill for allowing me in your group.
I am a Tech at the present, will be testing for the upgrade on 12/11 next Saturday. I live in the mountains in Northern New Mexico testing here is about every three months.I have a 820s and a 520s. Have been listening patiently for the past four months. Yoy can see all at qsl.net/kd5vxk.
Thanks Again and 73s
Larry Waisner / KD5VXK

2929. Re: Iambic Paddle Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 14:40:56 UTC
From: pchapman9202003
Topic: 2922 Message: 2929

Connect one side and turn it sideways.

Seriously, you have grid block keying and you will either have to purchase a keyer with a jumper option for it or get one of the old keyers used, which can be a problem, as many of them have been modified for new rigs. Another route is a grid block adaptor, about ten bucks.

--- In TS-520_820_530_830@yahoogroups.com, "capecuatro" <capecuatro@y...> wrote:
>
> I have just purchased a Vibroplex Iambic Paddle. In order to use it
> with a TS-830 How Do I Do? It only accepts a straight key. Plese help

2930. Re: Iambic Paddle Question

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 14:45:07 UTC
From: pchapman9202003
Topic: 2922 Message: 2930

I have had better luck with the built in on my icom 718 than the MFJ. The MFJ deluxe tends to add a character here and there, making you question your own ability.

--- In TS-520_820_530_830@yahoogroups.com, "pchapman9202003" <p_chap@b...> wrote:
>
> Connect one side and turn it sideways.
>
> Seriously, you have grid block keying and you will either have to
> purchase a keyer with a jumper option for it or get one of the old
> keyers used, which can be a problem, as many of them have been
> modified for new rigs. Another route is a grid block adaptor, about
> ten bucks.
>
> --- In TS-520_820_530_830@yahoogroups.com, "capecuatro"
> <capecuatro@y...> wrote:
> >
> > I have just purchased a Vibroplex Iambic Paddle. In order to use
> it
> > with a TS-830 How Do I Do? It only accepts a straight key. Plese
> help

2931. Re: [TS-520_820_530_830] Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 14:45:32 UTC
From: Eric Webner
Topic: 2928 Message: 2931

Larry,

Welcome to the Group, and good luck on the test!

73,

Eric KA8FAN

Larry Waisner <larimo@...> wrote:

Hello Every One,

Thank You Bill for allowing me in your group.
I am a Tech at the present, will be testing for the upgrade on 12/11
next Saturday. I live in the mountains in Northern New Mexico testing
here is about every three months.I have a 820s and a 520s. Have been
listening patiently for the past four months. Yoy can see all at
qsl.net/kd5vxk.
Thanks Again and 73s
Larry Waisner / KD5VXK

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2932. Rig DOA - Help!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 18:53:46 UTC
From: Jim
Topic: 2932 Message: 2932

I moved about a month ago and have finally gotten all the boxes unpacked. Just before I file the insurance claim, I figured I should plug in the old 820S just to be sure.

Unfortunately, it looks at though the movers did not do it any favors. The digital display, which worked fine other than the rare flashing segment problem, does not light up. Not at all, even when warmed up I can connect to a dipole and get white noise, but nothing that resembles a signal. When I connect to the dummy load and try to tune, it seems the transmitter is non-functional as well.

Is there something that is likely to be causing all these symptoms, or are there several problems here? I can manage one problem at a time, but this one has me stumped.

73,
Jim

2933. Re: Rig DOA - Help!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 19:26:49 UTC
From: Jim
Topic: 2932 Message: 2933

Never mind gentlemen. A friendly member reminded me that you need
to have the VFO plug in place. Now repeat after me Homer - "Doh!!!"

Jim

--- In TS-520_820_530_830@yahoogroups.com, "Jim" <K1ZC@c...> wrote:
>
> I moved about a month ago and have finally gotten all the boxes
> unpacked. Just before I file the insurance claim, I figured I
> should plug in the old 820S just to be sure.
>
> Unfortunately, it looks at though the movers did not do it any
> favors. The digital display, which worked fine other than the
rare
> flashing segment problem, does not light up. Not at all, even
when
> warmed up I can connect to a dipole and get white noise, but
> nothing that resembles a signal. When I connect to the dummy load
> and try to tune, it seems the transmitter is non-functional as
> well.
>
> Is there something that is likely to be causing all these
symptoms,
> or are there several problems here? I can manage one problem at a
> time, but this one has me stumped.
>
> 73,
> Jim

2934. Re: Crook Resistor Causes "Tune" Difficulty

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 21:22:19 UTC
From: pjcoombs@frontiernet.net
Topic: 2921 Message: 2934

Richard,

One suspect is located in the power supply section. Look for a small board marked "HV UNIT" or something similar. There is a voltage divider which provides a lowered voltage to the screens while in TUNE mode. It's probably the resistor that is not grounded and has gone high or open.
GL, kb9wwq jay

> Date: Sun, 5 Dec 2004 16:27:45 +1100
> From: Irena and Richard Jenkins <richard.jenkins@...>
>Subject: Crook Resistor Causes "Tune" Difficulty
>
>Cab someone please expand on the location of the suspect resistor. My TS-530S
>seems to put the power up the antenna ... but in the "Tune" position I
>frequently get no indication on the dial. Makes the tune up a bit of a 'hit
>and miss' business. Thanks
>
>Richard
>--
>--
>Irena & Richard Jenkins VK1NDV & VK1RJ
>Canberra, AUSTRALIA
>+++

2935. 820s-MH4P Relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 22:28:54 UTC
From: Larry Waisner
Topic: 2935 Message: 2935

My 820 is in need of a tx relay it has a Omron MH4p in it.
Have taken it out to clean contacts and one set of the contacts is
almost completely gone. Does any one know where the best place to
order relay sets from?
Larry/KD5VXK

2936. Re: Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-05 23:10:09 UTC
From: Larry Waisner
Topic: 2928 Message: 2936

Thank You Eric,
I feel pretty good about testing Saturday, CW 10 WPM.
runnin about 86% on written.
Thanks Again
Larry Waisner

--- In TS-520_820_530_830@yahoogroups.com, Eric Webner <ka8fan@y...>
wrote:
> Larry,
>
> Welcome to the Group, and good luck on the test!
>
> 73,
>
> Eric KA8FAN
>
>
> Larry Waisner <larimo@v...> wrote:
>
> Hello Every One,
>
> Thank You Bill for allowing me in your group.
> I am a Tech at the present, will be testing for the upgrade on 12/11
> next Saturday. I live in the mountains in Northern New Mexico
testing
> here is about every three months.I have a 820s and a 520s. Have
been
> listening patiently for the past four months. Yoy can see all at
> qsl.net/kd5vxk.
> Thanks Again and 73s
> Larry Waisner / KD5VXK
>
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2937. Finals ts820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 00:52:46 UTC
From: jb2625
Topic: 2937 Message: 2937

Hello all, Tnx for the great help on my rig!!! esp Walt.. I have 1 more question if u guys dont mind. I dont have a rf milivolt meter.can I neutrilize the PAs withe the scope i have?.. it is a BK 40 meg scope I use just for audio testing...Tnx Jim KD4LOW..

2938. Re: [TS-520_820_530_830] Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 02:33:25 UTC
From: Bill K0ZL
Topic: 2928 Message: 2938

You live anywhere near Rio Rancho (Albuquerque, I
think that's near)? I know one ham down there that's
real active on AM.

Oh yeah; you are welcome! hi... gud luck on the Gen.

Bill K0ZL

--- Larry Waisner <larimo@...> wrote:

>
> Hello Every One,
>
> Thank You Bill for allowing me in your group.
> I am a Tech at the present, will be testing for the
> upgrade on 12/11
> next Saturday. I live in the mountains in Northern
> New Mexico testing
> here is about every three months.I have a 820s and a
> 520s. Have been
> listening patiently for the past four months. Yoy
> can see all at
> qsl.net/kd5vxk.
> Thanks Again and 73s
> Larry Waisner / KD5VXK
>
>
>
>

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2939. Re: [TS-520_820_530_830] Rig DOA - Help!!!

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 02:54:53 UTC
From: Bill K0ZL
Topic: 2932 Message: 2939

Check all the inline connectors on the front of the
PLL unit, underneath the rig, front edge, hidden under
the wiring harness. One could have come loose in the
move.

bill

--- Jim <K1ZC@...> wrote:

>
> I moved about a month ago and have finally gotten
> all the boxes
> unpacked. Just before I file the insurance claim, I
> figured I
> should plug in the old 820S just to be sure.
>
> Unfortunately, it looks at though the movers did not
> do it any
> favors. The digital display, which worked fine
> other than the rare
> flashing segment problem, does not light up. Not at
> all, even when
> warmed up I can connect to a dipole and get white
> noise, but
> nothing that resembles a signal. When I connect to
> the dummy load
> and try to tune, it seems the transmitter is
> non-functional as
> well.
>
> Is there something that is likely to be causing all
> these symptoms,
> or are there several problems here? I can manage
> one problem at a
> time, but this one has me stumped.
>
> 73,
> Jim
>
>
>
>
>
>

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2940. Re: [TS-520_820_530_830] 820s-MH4P Relay

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 03:05:59 UTC
From: Bill K0ZL
Topic: 2935 Message: 2940

Tyco R10-E1X4-V185

NTE R16-17D5-12

MOUSER 526-R16-17D5-12

Let me know if that doesn't do it for you

b

--- Larry Waisner <larimo@...> wrote:

>
> My 820 is in need of a tx relay it has a Omron MH4p
> in it.
> Have taken it out to clean contacts and one set of
> the contacts is
> almost completely gone. Does any one know where the
> best place to
> order relay sets from?
> Larry/KD5VXK
>
>
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>

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2941. Re: [TS-520_820_530_830] Finals ts820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 03:10:02 UTC
From: Bill K0ZL
Topic: 2937 Message: 2941

Using a millivoltmeter or scope is possible, just turn the SG switch off in the back. This, after tuning for max output first. Then turn off the switch and go back into TX mode. The neutralizing cap would then be adjusted for a null on the output.

I have never done it this way so be careful.

I usually just adjust neut. cap so that dip and max output occur at the same point, or so that the plate current "humps" on either side of resonance are the same.

b

--- jb2625 <kd4low@...> wrote:

>
> Hello all, Tnx for the great help on my rig!!! esp
> Walt.. I have 1
> more question if u guys dont mind. I dont have a rf
> milivolt
> meter.can I neutrilize the PAs withe the scope i
> have?.. it is a BK
> 40 meg scope I use just for audio testing...Tnx Jim
> KD4LOW..
>
>
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>

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2942. Re: Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 05:06:52 UTC
From: Larry Waisner
Topic: 2928 Message: 2942

I live 50 miles north-northeast of Rio rancho. 30 miles west of Los
Alamos.
Larry

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> You live anywhere near Rio Rancho (Albuquerque, I
> think that's near)? I know one ham down there that's
> real active on AM.
>
> Oh yeah; you are welcome! hi... gud luck on the Gen.
>
> Bill K0ZL
>
> --- Larry Waisner <larimo@v...> wrote:
>
> >
> > Hello Every One,
> >
> > Thank You Bill for allowing me in your group.
> > I am a Tech at the present, will be testing for the
> > upgrade on 12/11
> > next Saturday. I live in the mountains in Northern
> > New Mexico testing
> > here is about every three months.I have a 820s and a
> > 520s. Have been
> > listening patiently for the past four months. Yoy
> > can see all at
> > qsl.net/kd5vxk.
> > Thanks Again and 73s
> > Larry Waisner / KD5VXK
> >
> >
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2943. Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 06:01:20 UTC
From: Norm Fusaro
Topic: 2884 Message: 2943

sri, no.
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Bill K0ZL" <coorsbill@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, December 02, 2004 1:23 PM
Subject: Re: [TS-520_820_530_830] Link to article RE: 6146 Tube

>
> You selling these, Norm?
>
> bill
>
> --- Norm Fusaro <w3iz@...> wrote:
>
> > I have a spare set of tubes maked 6146B/8298A. They
> > must be the extra heavy duty variety that were
> > mentioned in the article as a substitute for the
> > 6146B.
> >
> > Dave is right in that the article says that the "B"
> > is
> > not a direct substitute and that most gear will
> > react
> > a bit finicky with them if not the original design.
> >
> >
> > I personally don't have any of that older gear that
> > used the 6146 so I can't give a first hand opinion.
> > 73,
> > Norm, W3IZ
> >
> > --- David Beet <david@...> wrote:
> >
> >
> > >
> > > Ah - I don't see the article that way Walt. It
> > says
> > > the 6146B is not a direct substitute for the 6146
> > > and 6146A which were used in Collins gear. The
> > > Kenwoods were originally fitted with the S2001A
> > > which is the direct equivalent of the 6146B, so
> > > that's the one to use. What the 6146W is
> > equivalent

> > > to depends on when it was made, but the later ones
> > > most likely to be found are comparable to the
> > 6146B
> > > so it's ok to use them too.
> > >
> > > regards
> > >
> > > David
> > > M0WAM
> > > ----- Original Message -----
> > > From: Walter A. Breining
> > > To: TS-520_820_530_830@yahoogroups.com
> > > Sent: Thursday, December 02, 2004 9:17 AM
> > > Subject: [TS-520_820_530_830] Link to article
> > RE:
> > > 6146 Tube
> > >
> > >
> > >
> > > Here is an interesting article about the 6146
> > > family of tubes. It
> > > advises NOT using 6146 B tubes.
> > >
> > >
> > >
> >
> http://home.comcast.net/~k9sth/The_6146_Family_of_Tubes_1.htm
> > >
> > > Vy 73, Walt
> > >
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> > Release
> > > Date: 30/11/2004
> > >
> > >
> > > [Non-text portions of this message have been
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2944. Re: [TS-520_820_530_830] Finals ts820

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 10:30:37 UTC
From: Walt Breining
Topic: 2937 Message: 2944

Jim:
If you have a TS-820 owner's manual the procedure for neutralizing the final is on page 6.4 at the bottom of the page.

Why neutralize? Tubes have internal capacitance between the elements. Positive feedback can result causing unwanted oscillations that can cause serious mischief. If we can use a capacitor to create negative feedback equal and opposite to the positive feedback, we can eliminate these unwanted oscillations.

You must have the covers on the final cage because if you adjust neutralization with it off, it will change slightly when they are replaced. There is an access hole for this purpose.

First, see if you are already neutralized. Kenwood specifies using 21.300 on 15 meters for this so you should be near this frequency. Bill mentioned a method of determining if the system is in a neutralized condition. First, tune up the rig on 21.3 through a wattmeter into a dummy load for full power on CW. Keep your key up time short. Place the meter switch on IP. (Plate current) Slightly rotate the plate control past the peak in watts on the wattmeter clockwise and then counter clockwise. The Plate current IP should dip to minimum at the exact same point that the wattmeter peaks. If you meet this test, on or near 21.3 MHz, you probably do not need to adjust the neutralization capacitor. Also note that this condition will not always occur closely on other bands removed from 21.3. Multi band rigs are sometimes a compromise and if it is in neutralization on 21.3 MHz, it will be close enough everywhere else.

If you do not pass the above test, the neutralization capacitor can be nudged one way or the other until this condition occurs on 21.3 MHz.

If the above test indicates that re-neutralization is necessary, another method of adjusting the capacitor is provided by Kenwood on the TS 820. On the back there is a SG (Screen Grid) switch. If it is placed in the down position, The positive voltage is removed from the screen grid and replaced by a negative voltage. This keeps the tube from conducting. Any small signal that appears on the output will be signal from the driver that leaks through the final tubes due to inter-electrode capacitance.

The problem is that you cannot observe this small of a signal on the wattmeter. One method is to connect the scope to the output along with a dummy load. This can be done with a Tee connector.

Another method is to use one of those cheap SWR meters like the ones used for CB that has a forward power adjustment. It does not have to be accurate, as all you need is a relative forward power indication. Put the meter in line after the rig on forward power and with the rig still in a tuned up position on 21.3 MHz, place the SG switch down and advance the forward power adjust for an indication on the meter. Now you can adjust the neutralization capacitor for minimum reading. This mimics the diode/ meter method in the book.

I should mention that adjustment of this capacitor is tricky. First note that it has high voltage on it. If you use a metal screwdriver and it touches the capacitor and becomes grounded to the edge of the hole in the final cage, bad things will happen and you will hate it. If you touch the capacitor with a metal screwdriver and touch the metal part of the screwdriver with your fingers, you could be killed. Also, the metal screwdriver will change the value of the capacitor and you will no longer be in a minimum condition when it is removed.

A plastic or nylon tool is required. The capacitor turned fairly stiff and sometimes the tool will break before it turns. If you use a plastic tool with a small metal blade, the blade will affect the capacitor so you will need to nudge the capacitor slightly and remove the tool to get your reading. With some patience you can get it adjusted right.

In cases where the capacitor was way stiff, I placed a tiny bit of WD 40 on the shaft and exercised it with a metal screwdriver before adjusting it. Of course unplug the radio and discharge the voltage before using the metal screwdriver and the WD-40.

One last note, the final will not be drawing plate current with the SG switch down so you can keep the radio on transmit longer without overheating the tubes.

Be sure to put the SG switch back up when finished or you will be wondering why you have no output.

Vy 73, Walt, N9WB

----- Original Message -----

Hello all, Tnx for the great help on my rig!!! esp Walt.. I have 1
more question if u guys dont mind. I dont have a rf milivolt
meter.can I neutrilize the PAs withe the scope i have?.. it is a BK
40 meg scope I use just for audio testing...Tnx Jim KD4LOW..

[Non-text portions of this message have been removed]

2945. Re: [TS-520_820_530_830] Re: Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 15:01:09 UTC
From: Bill K0ZL
Topic: 2928 Message: 2945

OK< check out 40m, around 7293 during the afternoons
on AM mode, you may hear AE8O down there.

bill

--- Larry Waisner <larimo@...> wrote:

>
> I live 50 miles north-northeast of Rio rancho. 30
> miles west of Los
> Alamos.
> Larry
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > You live anywhere near Rio Rancho (Albuquerque, I
> > think that's near)? I know one ham down there
> that's
> > real active on AM.
> >
> > Oh yeah; you are welcome! hi... gud luck on the
> Gen.
> >
> > Bill K0ZL
> >
> > --- Larry Waisner <larimo@v...> wrote:
> >
> > >
> > > Hello Every One,
> > >
> > > Thank You Bill for allowing me in your group.
> > > I am a Tech at the present, will be testing for
> the
> > > upgrade on 12/11
> > > next Saturday. I live in the mountains in
> Northern
> > > New Mexico testing
> > > here is about every three months.I have a 820s
> and a
> > > 520s. Have been
> > > listening patiently for the past four months.
> Yoy
> > > can see all at
> > > qsl.net/kd5vxk.
> > > Thanks Again and 73s

> > > Larry Waisner / KD5VXK
> > >
> > >
> > >
> > >
> >
> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website
> www.amateur-repairs.com
> >
> >
> >
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail - Find what you need with new enhanced
> search.
> > http://info.mail.yahoo.com/mail_250
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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http://my.yahoo.com

2946. Wtb : DG-5

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 18:07:13 UTC
From: n5nme
Topic: 2946 Message: 2946

Anyone have a Dg-5 that you want to get rid of? That is the last thing I need to complete my station.

Thanks, John n5nme

2947. Re: [TS-520_820_530_830] Wtb : DG-5

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 18:35:54 UTC
From: stevemp@storm.ca
Topic: 2946 Message: 2947

There's one on this page...

http://www.vbarc.net/Update/Forsale.htm

A couple on eBay...

http://search.ebay.com/kenwood-DG-5_Ham-Radio_W0QQsofocusZbsQQsbrftogZ1QQfromZR10QQsatitle
ZkenwoodQ20DG-5QQsacategoryZ4670Q26catrefQ3DC6QQsotrtypeZ1QQsotrvalueZ1QQsosortpropertyZ2Q
26sosortorderQ3D2QQcoactionZcompareQQcopagenumZ1QQcoentrypageZsearch

Steve

>
>
> Anyone have a Dg-5 that you want to get rid of? That is the last
> thing I need to complete my station.
>
> Thanks, John n5nme
>
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> Yahoo! Groups Links
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2948. Re: [TS-520_820_530_830] Calibration

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-06 20:01:18 UTC
From: Richard Harris
Topic: 2903 Message: 2948

Bill,

The calibrator for the TS520 uses a crystal oscillator and a locked multi-vibrator divider (Q2 and Q3 of Marker Unit PCB X52-0005-01), This is "digi-log" rather than purely digital (in the sense of an IC which can only divide by a certain number) and so could lock to another sub-multiple if components have aged. I had exactly this problem with my TS-510 (which uses a similar circuit) because the previous owner had made a modification that changed the supply voltage to the calibrator circuit - and it was dividing by three (i.e. 33kHz markers) from the 100kHz crystal oscillator, rather than dividing by four (25kHz markers). I undid the modification and it then correctly divided by four.

However, in this case I am not so sure because the harmonics are reported at 28 or 29 kHz intervals, but dividing by other integers is certainly possible with this type of circuit and worth bearing in mind.

Richard G3OTK

At 05:26 05/12/2004 -0800, you wrote:

>I think his divider chip is bad, or the power supply
>to the chip is low.
>
>b
>
>--- Eric Webner <ka8fan@...> wrote:
>
> >
> > Sean,
> >
> > I don't know if you understood my earlier message,
> > but it sounds like the calibrator is giving you
> > markers every 28-29 kHz, instead of every 25. The
> > calibrator adjustment procedure out of the Service
> > manual, section 3-20, says to tune in WWV for
> > zerobeat (the carrier, not the audio tone they
> > transmit), then adjust TC1 on the marker board until
> > it is zeroed with wwv also. I don't know how much
> > range capacitor TC1 has, so it adjustment of that
> > doesn't work, perhaps another component is giving
> > you a problem.
> >
> > Let me know if the marker calibration works.
> >
> > 73,

> >
> > Eric
> >
> >
> > "Sean.....He's the cat that won't cop out even when
> > there's danger all about....."
> > <seanfried@hotmail.com> wrote:
> > No, no, that is not the problem...If I calibrate the
> > dial for instance to
> > zero beat a marker tone at 0 then when 25 comes
> > around on the dial there is
> > not a marker tone. The next marker tone zeros at
> > about 29. I know how to set
> > the dial but I can not figure out how to make the
> > CAL-25 tone increments
> > fall on the 25 increments on the dial. Hope that
> > makes sense.
> >
> > >From: Peter A Markavage <pmarkavage@...>
> > >Reply-To: TS-520_820_530_830@yahoogroups.com
> > >To: TS-520_820_530_830@yahoogroups.com
> > >Subject: Re: [TS-520_820_530_830] Calibration
> > >Date: Fri, 3 Dec 2004 17:55:07 -0500
> > >
> > >User manual, page 18 and 19, Section 4.4,
> > Calibration, gives you all the
> > >info you need to calibrate the dial.
> > >Pete, wa2cwa
> > >
> > >On Fri, 03 Dec 2004 15:00:55 -0600 "Sean.....He's
> > the cat that won't cop
> > >out even when there's danger all about....."
> > <seanfried@...m>
> > >writes:
> > >What does this mean...other than I need to adjust
> > something...When I
> > >switch
> > >my ts-520s to the CAL-25 position I find that the
> > tones generated to not
> > >fall at 25 kHz intervals (according to the dial at
> > least). It seems more
> > >like 28 or 29 kHz intervals. I would assume this is
> > not normal. I have
> > >read
> > >through the owners manual twice and am not sure I
> > am seeing what I need
> > >to
> > >adjust. I would imagine the is a simple turn of a
> > screw kind of
> > >adjustment

> > >but I am not finding what I need to adjust. Is
> > there a spot for the
> > >required
> > >tweakage?
> > >
> > >Thanks yet again guys,
> > >
> > >Sean - WA2LKV
> > >
> > >[Non-text portions of this message have been
> > removed]
> > >
> >
> >
> >
> > Yahoo! Groups SponsorADVERTISEMENT
> >
> >
> > ---
> > Yahoo! Groups Links
> >
> > To visit your group on the web, go to:
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > To unsubscribe from this group, send an email to:
> > TS-520_820_530_830-unsubscribe@yahoogroups.com
> >
> > Your use of Yahoo! Groups is subject to the
> > Yahoo! Terms of Service.
> >
> >
> >
> > ---
> > Do you Yahoo!?
> > The all-new My Yahoo! What will yours do?
> >
> > [Non-text portions of this message have been
> > removed]
> >
> >
> >
> > ---------- Yahoo! Groups Sponsor
> >
> >
> >
> > Yahoo! Groups Links
> >
> > http://groups.yahoo.com/group/TS-520_820_530_830/
> >
> > TS-520_820_530_830-unsubscribe@yahoogroups.com

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>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
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>_________________________________
>Do you Yahoo!?
>All your favorites on one personal page Try My Yahoo!
>http://my.yahoo.com
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>Yahoo! Groups Links
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>

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Web site www.pipstechnology.com

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2949. Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 08:10:03 UTC
From: Greg
Topic: 2908 Message: 2949

Sorry, I cant remeber the value, or exactly "R #" I replaced, but I replaced it with the same value....It was on the HV UNIT Board. (The board is labled X43-11140-00)

I would have to open up my rig to take a look .....I would suggest he pull out the HV board and test them all...(Thinking about replacing it now, I beleve one side of the resistor did go to ground)

Go the Message #1930 on this group for the thread that adressed my repair.

73
Greg
VA3VFO

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Was that the 470 ohm resistor that supplies the 210
> from the 300v supply?
>
> Make sure you don't "overrate" the power on this thing
> when replacing; it's really a fuse! hi.
>
> bill
>
> --- Greg <va3vfo@r...> wrote:
>
> >
> > I had the same problem with my TS-820s. I my caes,
> > in the TUNE
> > position, I got a "hardly noticable" amount of meter
> > movment in both
> > the RF, and IC METER positions. I have some posts to
> > the group that
> > explain the problem in detail. Maybe you can do a
> > search (by group
> > name) for all my postings to the group.
> >
> > Bill made a recommandation which was to look for a
> > bad resistor on
> > the voltage dividing network on the PS board. See
> > Bills reply post,
> > if you can find it....or he may have included it in
> > the FILES section
> > of common problems and their fix.
> >

> > Please note that the original equipment resistor did
> > not appear burnt
> > and testing it with an ohm meter actually gave a
> > resistance reading,
> > but the readings where intermittant, and seemed to
> > vary in value,
> > every time I tested it with my DMM (out of cct of
> > course)...BTW, this
> > taught me a lesson in testing resistors!!!
> >
> > So replacing it gave me the 10 watts of beuatiful
> > tune up power
> > required to get nice meter movment in the TUNE
> > postion. I no longer
> > have to tune up using the CW postion at the full 100
> > Watts..While
> > this may not be the cause of your problem, it may be
> > a good place to
> > test.
> >
> > 73 & GL
> > Greg
> > VA3VFO
> >
> > --- In TS-520_820_530_830@yahoogroups.com,
> > aa5jj@y... wrote:
> > >
> > > Hello I just picked up and old KNWD TS530se and it
> > seems to work
> > > pretty good except I can not load it up using the
> > tune position on
> > > the selector, I have to put it in CW and tune it
> > up, any ideas what
> > > the problem is ?
> > >
> > > 73 Wayne AA5JJ
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
>
>
>

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>
> _____________________________
> Do you Yahoo!?
> Yahoo! Mail - Helps protect you from nasty viruses.
> http://promotions.yahoo.com/new_mail

2950. Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 08:28:37 UTC
From: Greg
Topic: 2908 Message: 2950

I HATE to really beat the hell out of this!!! I was just re-reading my old post and the resistor I replaced was one of 2-56K units. BUT, Bill had originaly told me to check the RECT UNIT Board (X43-1090-00), NOT the HV Board, yet my hand notes say I should check the HV board...which one the bad resistor was on, I can't remeber!!! I think it WAS on the RECT board, not the HV Board (I seem to remeber diodes on it)...I don't have the schematic with me....which one has the voltage divider on it?

Greg.(losing my mind)

--- In TS-520_820_530_830@yahoogroups.com, "Greg" <va3vfo@r...> wrote:
>
> Sorry, I cant remeber the value, or exactly "R #" I replaced, but I
> replaced it with the same value....It was on the HV UNIT Board.
(The
> board is labled X43-11140-00)
>
> I would have to open up my rig to take a look .....I would suggest
he
> pull out the HV board and test them all...(Thinking about replacing
> it now, I beleve one side of the resistor did go to ground)
>
> Go the Message #1930 on this group for the thread that adressed my
> repair.
>
> 73
> Greg
> VA3VFO
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...>
> wrote:
> > Was that the 470 ohm resistor that supplies the 210
> > from the 300v supply?
> >
> > Make sure you don't "overrate" the power on this thing
> > when replacing; it's really a fuse! hi.
> >
> > bill
> >
> > --- Greg <va3vfo@r...> wrote:
> >
> > >
> > > I had the same problem with my TS-820s. I my caes,

> > > in the TUNE
> > > position, I got a "hardly noticable" amount of meter
> > > movment in both
> > > the RF, and IC METER positions. I have some posts to
> > > the group that
> > > explain the problem in detail. Maybe you can do a
> > > search (by group
> > > name) for all my postings to the group.
> > >
> > > Bill made a recommandation which was to look for a
> > > bad resistor on
> > > the voltage dividing network on the PS board. See
> > > Bills reply post,
> > > if you can find it....or he may have included it in
> > > the FILES section
> > > of common problems and their fix.
> > >
> > > Please note that the original equipment resistor did
> > > not appear burnt
> > > and testing it with an ohm meter actually gave a
> > > resistance reading,
> > > but the readings where intermittant, and seemed to
> > > vary in value,
> > > every time I tested it with my DMM (out of cct of
> > > course)...BTW, this
> > > taught me a lesson in testing resistors!!!
> > >
> > > So replacing it gave me the 10 watts of beuatiful
> > > tune up power
> > > required to get nice meter movment in the TUNE
> > > postion. I no longer
> > > have to tune up using the CW postion at the full 100
> > > Watts..While
> > > this may not be the cause of your problem, it may be
> > > a good place to
> > > test.
> > >
> > > 73 & GL
> > > Greg
> > > VA3VFO
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com,
> > > aa5jj@y... wrote:
> > > >
> > > > Hello I just picked up and old KNWD TS530se and it
> > > seems to work
> > > > pretty good except I can not load it up using the
> > > tune position on
> > > > the selector, I have to put it in CW and tune it
> > > up, any ideas what

> > > > the problem is ?
> > > >
> > > > 73 Wayne AA5JJ
> > >
> > >
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> > =====
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> > "If in doubt, MODIFY" --k0zl
> >
> > Need a tech? See our website www.amateur-repairs.com
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> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail - Helps protect you from nasty viruses.
> > http://promotions.yahoo.com/new_mail

2951. Sig generator/Oscilloscopes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 13:05:44 UTC
From: Phono-Guy
Topic: 2951 Message: 2951

There are so many models of these ... used an new, can
anyone reccomend any particular models that are useful
to tweak & repair amateur radio gear?
Or exactly what I should be looking for specs ...
?

Thanks,
Clint - WS1V

Do you Yahoo!?
Yahoo! Mail - You care about security. So do we.
http://promotions.yahoo.com/new_mail

2952. ts 820s help,vfo dift only on 3.5 band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 14:45:12 UTC
From: jason dembowski
Topic: 2952 Message: 2952

Hi all!
I have a ts 820s thats is possessed!!
only on the 3.5 band (75-80 meter)whith the power on and receiving.
The display will start to drift up or down ,then go nuts like
showing 29.9999,the goes out.
And when I tip the rig it will come back on,and it will do it all
over again.
Have cleaned the band switch (in the fanal box too)and the af avr
board also.
But it is still is up to its tricks.
can someone help me?
73s for now
KB1jhl
Jason Dembowski

2953. Re: [TS-520_820_530_830] Re: KNWD TS 530SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 20:46:07 UTC
From: Bill K0ZL
Topic: 2908 Message: 2953

I have never had a failure on the HV board, which is
just a voltage divider to derive the HV metering
voltage and the proper tube screen voltage based on
what mode you are in. That does have two each 56K
resistors. The majority of the problems I have seen
are with R6 on the RECT unit; this is the dropping
resistor for the screen supply to the tubes; it is how
210A is developed for the screen supply. R6 will
often burn open if the tubes are bad; as will R6 and
R5, 100 ohm 1/2 watt resistors on the PA tubes.

bill

--- Greg <va3vfo@...> wrote:

>
> I HATE to really beat the hell out of this!!! I was
> just re-reading
> my old post and the resistor I replaced was one of
> 2-56K units. BUT,
> Bill had originaly told me to check the RECT UNIT
> Board (X43-1090-
> 00), NOT the HV Board, yet my hand notes say I
> should check the HV
> board...which one the bad resistor was on, I can't
> remeber!!! I think
> it WAS on the RECT board, not the HV Board (I seem
> to remeber diodes
> on it)...I don't have the schematic with me....which
> one has the
> voltage divider on it?
>
> Greg.(losing my mind)
>
>
> --- In TS-520_820_530_830@yahoogroups.com, "Greg"
> <va3vfo@r...> wrote:
> >
> > Sorry, I cant remeber the value, or exactly "R #"
> I replaced, but I
> > replaced it with the same value....It was on the
> HV UNIT Board.
> (The
> > board is labled X43-11140-00)
> >
> > I would have to open up my rig to take a look

> .....I would suggest
> he
> > pull out the HV board and test them
> all...(Thinking about replacing
> > it now, I beleve one side of the resistor did go
> to ground)
> >
> > Go the Message #1930 on this group for the thread
> that adressed my
> > repair.
> >
> > 73
> > Greg
> > VA3VFO
> >
> > --- In TS-520_820_530_830@yahoogroups.com, Bill
> K0ZL
> <coorsbill@y...>
> > wrote:
> > > Was that the 470 ohm resistor that supplies the
> 210
> > > from the 300v supply?
> > >
> > > Make sure you don't "overrate" the power on this
> thing
> > > when replacing; it's really a fuse! hi.
> > >
> > > bill
> > >
> > > --- Greg <va3vfo@r...> wrote:
> > >
> > > >
> > > > I had the same problem with my TS-820s. I my
> caes,
> > > > in the TUNE
> > > > position, I got a "hardly noticable" amount of
> meter
> > > > movment in both
> > > > the RF, and IC METER positions. I have some
> posts to
> > > > the group that
> > > > explain the problem in detail. Maybe you can
> do a
> > > > search (by group
> > > > name) for all my postings to the group.
> > > >
> > > > Bill made a recommandation which was to look
> for a
> > > > bad resistor on
> > > > the voltage dividing network on the PS board.

> See
> > > > Bills reply post,
> > > > if you can find it....or he may have included
> it in
> > > > the FILES section
> > > > of common problems and their fix.
> > > >
> > > > Please note that the original equipment
> resistor did
> > > > not appear burnt
> > > > and testing it with an ohm meter actually gave
> a
> > > > resistance reading,
> > > > but the readings where intermittant, and
> seemed to
> > > > vary in value,
> > > > every time I tested it with my DMM (out of cct
> of
> > > > course)...BTW, this
> > > > taught me a lesson in testing resistors!!!
> > > >
> > > > So replacing it gave me the 10 watts of
> beuatiful
> > > > tune up power
> > > > required to get nice meter movment in the TUNE
> > > > postion. I no longer
> > > > have to tune up using the CW postion at the
> full 100
> > > > Watts..While
> > > > this may not be the cause of your problem, it
> may be
> > > > a good place to
> > > > test.
> > > >
> > > > 73 & GL
> > > > Greg
> > > > VA3VFO
> > > >
> > > > --- In TS-520_820_530_830@yahoogroups.com,
> > > > aa5jj@y... wrote:
> > > > >
> > > > > Hello I just picked up and old KNWD TS530se
> and it
> > > > seems to work
> > > > > pretty good except I can not load it up
> using the
> > > > tune position on
> > > > > the selector, I have to put it in CW and
> tune it
> > > > up, any ideas what

> > > > > the problem is ?
> > > > >
> > > > > 73 Wayne AA5JJ
> > > >
> > > >
> > > >
> > > >
> > >
> > >
> > > =====
> > >
> > > "If in doubt, MODIFY" --k0zl
> > >
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"If in doubt, MODIFY" --k0zl

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2954. Re: [TS-520_820_530_830] Sig generator/Oscilloscopes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-07 20:50:05 UTC
From: Bill K0ZL
Topic: 2951 Message: 2954

Everyone seems to have their favorites.

You can get a good working Wavetek 3000 generator for under 500 bucks on eBay. And you can't beat any of the 100 meg dual-trace scopes out there.

I use the Wavetek 3000B service monitor which is combined sig generator and FM/AM modulation monitor for up to 1000 megs. Paid 3500 for it about 15 yrs ago, now available for less than 700 in working condition.

I use the Tektronix T-922 scope, 0-15 megahertz dual trace. the T-932 is 0-30 and quite adequate for most ham work; tek scopes usually work up to twice their stated freq range at minus 3 db response; so if you are looking at relative readings (does this amp have gain or loss? is the oscillator oscing?) they are fine above their rated freq. These scopes with probes are under 200 and don't take much desk space, being longer than wide .

bill
--- Phono-Guy <taephono@...> wrote:

> There are so many models of these ... used an new,
> can
> anyone reccomend any particular models that are
> useful
> to tweak & repair amateur radio gear?
> Or exactly what I should be looking for specs ...
> ?
>
> Thanks,
> Clint - WS1V
>
>
>
>
>
> _____
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>

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"If in doubt, MODIFY" --k0zl

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2955. Re: Sig generator/Oscilloscopes?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-08 13:31:08 UTC
From: Phono-Guy
Topic: 2951 Message: 2955

Bill,
Thanks ... this should at least help me focus on what
I need to be looking for.

Cheers,
Clinto
WS1V

> Message: 4
> Date: Tue, 7 Dec 2004 12:50:05 -0800 (PST)
> From: Bill K0ZL <coorsbill@...>
> Subject: Re: Sig generator/Oscilloscopes?
>
> Everyone seems to have their favorites.
>
> You can get a good working Wavetek 3000 generator
> for
> under 500 bucks on eBay. And you can't beat any of
> the
> 100 meg dual-trace scopes out there.
>
> I use the Wavetek 3000B service monitor which is
> combined sig generator and FM/AM modulation monitor
> for up to 1000 megs. Paid 3500 for it about 15 yrs
> ago, now available for less than 700 in working
> condition.
>
> I use the Tektronix T-922 scope, 0-15 megahertz dual
> trace. the T-932 is 0-30 and quite adequate for most
> ham work; tek scopes usually work up to twice their
> stated freq range at minus 3 db response; so if you
> are looking at relative readings (does this amp have
> gain or loss? is the oscillator oscing?) they are
> fine
> above their rated freq. These scopes with probes are
> under 200 and don't take much desk space, being
> longer
> than wide .
>
> bill
>

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2956. TS-820s Connectors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-09 19:45:53 UTC
From: tetrodehead
Topic: 2956 Message: 2956

Hi all,

Please help! I'm in double trouble!

Trouble 1.
Whilst cleaning connectors, I removed the plug from CJ1 on the CAR ASSY UNIT X60-1000-00. I failed to note the following:
CJ1 has 4 pins. According to the schematic, pins 2 & 3 are inter-connected on the board.
The mating plug has only 3 slots. Slots 1 & 3 are jumpered by a black wire.

Question: Does the plug engage pins 1,2 & 3 or pins 2, 3 & 4?

As there are at least two plugs like this in the rig, I suspect that I'm not the first to make this daft mistake!

Trouble 2.
I removed the driver tube and discovered a silvery strip which looks like a ground for the metal tube shroud. How do I get it back in the shroud when refitting the tube??

Cheers
Dave

2957. Re: [TS-520_820_530_830] TS-820s Connectors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-09 20:52:31 UTC
From: Bill K0ZL
Topic: 2956 Message: 2957

AS for the driver shield. I usually do not replace the
driver shield. this helps the cooling of the driver
tube and has never caused a problem.

bill

--- tetrodehead <dave.crooks@...> wrote:

>
> Hi all,
>
> Please help! I'm in double trouble!
>
> Trouble 1.
> Whilst cleaning connectors, I removed the plug from
> CJ1 on the CAR
> ASSY UNIT X60-1000-00. I failed to note the
> following:
> CJ1 has 4 pins. According to the schematic, pins 2 &
> 3 are inter-
> connected on the board.
> The mating plug has only 3 slots. Slots 1 & 3 are
> jumpered by a black
> wire.
>
> Question: Does the plug engage pins 1,2 & 3 or
> pins 2, 3 & 4?
>
> As there are at least two plugs like this in the
> rig, I suspect that
> I'm not the first to make this daft mistake!
>
> Trouble 2.
> I removed the driver tube and discovered a silvery
> strip which looks
> like a ground for the metal tube shroud. How do I
> get it back in the
> shroud when refitting the tube??
>
>
> Cheers
> Dave
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2958. Re: [TS-520_820_530_830] TS-820s Connectors. Photo attached for clarity?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-09 22:07:57 UTC
From: Dave & Loraine
Topic: 2958 Message: 2958

Thanks Bill.

The attached poor photo shows the connector in question, right by the little square hole in the chassis where the shaft coupling peeps out.
If you squint, you can see 'spare' pin 1 .
Pin 1 or pin 4 open?

Cheers
Dave

[Non-text portions of this message have been removed]

2959. TS-830 FILTER

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 10:43:35 UTC
From: capecuatro
Topic: 2959 Message: 2959

I must ask, based on the expereience that anyone might have. What is the best filter for CW for the TS-830?

2960. Re: Hello & Thank You.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 15:16:29 UTC
From: jimbart
Topic: 2928 Message: 2960

Larry,
Welcome aboard! I'm sure you're excited about upgrading, and I'm excited about getting another 5-land CW operator (that's why you're upgrading, right?).

While we like living in the flatlands of Central OK, we also enjoy our visits to NM, particularly to Philmont. It'd be fun to work a portable from atop Wheeler, or even Baldy ...

I'm looking forward to hearing you on 40 or 20 CW.

Good luck tomorrow,
Jim
KE5CXX

2961. Re: Hello & Thank You Jim KE5CXX.

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 15:27:24 UTC
From: Larry Waisner
Topic: 2928 Message: 2961

Thank You Jim,
Yes I am exicted about doing CW and using the HF Bands. This time tomorrow I will be testing. I would like to thank the two "Elmers" who have been very supportive and helped me the past the last year and a half. KD5KU and NX5W. Looking forward to communicating with you.
Larry/KD5VXK

--- In TS-520_820_530_830@yahoogroups.com, "jimbart" <jimb@h...> wrote:
>
> Larry,
> Welcome aboard! I'm sure you're excited about upgrading, and I'm
> excited about getting another 5-land CW operator (that's why you're
> upgrading, right?).
>
> While we like living in the flatlands of Central OK, we also enjoy
> our visits to NM, particularly to Philmont. It'd be fun to work a
> portable from atop Wheeler, or even Baldy ...
>
> I'm looking forward to hearing you on 40 or 20 CW.
>
> Good luck tomorrow,
> Jim
> KE5CXX

2962. TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 15:45:18 UTC
From: ke4we
Topic: 2962 Message: 2962

Hello Everyone-

I have a TS-520SE and have been preparing to get it on the air for several weeks. Just got the antenna up this week.

I have been 'practicing' tuning the rig (into a dummy load of course) and everything seems to being going good.

My concern is the correct use of the Carrier Control. When performing the Drive Tuning, I place the control around 2-3 which provides approx. 2/3 scale reading.

Should there be any further change in the control (CW or SSB)??

Thanks,
Gordon
KE4WE

2963. Re: TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 16:07:15 UTC
From: n6ayj
Topic: 2962 Message: 2963

Gordon, I think the "carrier" control on the '820 is essentially analogous to what is called the "drive" control in most other transceivers. You simply adjust it for about 230 ma of plate current on the 6146's, at the dip in CW mode.

2964. Re: [TS-520_820_530_830] TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 16:15:12 UTC
From: Bill K0ZL
Topic: 2962 Message: 2964

In SSB, the carrier control doesn't matter; not in the
circuit.

In CW, you set the carrier control to desired output.

Try 25-40 watts for CW, it's usually as effective as
100 watts.

I will often start a QSO at 25 watts, then work down
to 5 watts or less. It's always surprising for the
non-QRP guys how well it works! hi.

bill

--- ke4we <gordonb@...> wrote:

>
> Hello Everyone-
>
> I have a TS-520SE and have been preparing to get it
> on the air for
> several weeks. Just got the antenna up this week.
>
> I have been 'practicing' tuning the rig (into a
> dummy load of
> course) and everything seems to being going good.
>
> My concern is the correct use of the Carrier
> Control. When
> performing the Drive Tuning, I place the control
> around 2-3 which
> provides approx. 2/3 scale reading.
>
> Should there be any further change in the control
> (CW or SSB)??
>
> Thanks,
> Gordon
> KE4WE
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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2965. TS830 Drive plastic sprockets broken. Help

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 17:13:50 UTC
From: Bacilococo vulgaris
Topic: 2965 Message: 2965

I have a problem whit Drive plastics sprockets in My TS830, due time
and over-tighten the plastic is brocket and I need know where can I
buy this replacement parts. (D13-0405-04)
Thanks in advance.

2966. rigs available for redeployment

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-10 17:45:29 UTC
From: taxman152
Topic: 2966 Message: 2966

I have a ts520s , a ts530sp and the ts530s. For space reasons, I am cutting back to the ts530s which has been in the family since new. Therefore I am interested in finding a home for the ts520s and the ts530sp. They both are in excellent condition and are used for psk31 operations. They have no mics in the sale. If your interested. mike bekech kb1ixz email: taxman152@...

2967. Re: ts 820s help,vfo dift only on 3.5 band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 03:52:39 UTC
From: jason dembowski
Topic: 2952 Message: 2967

--- In TS-520_820_530_830@yahoogroups.com, "jason dembowski"
<umohockey@y...> wrote:
> found it !!!!
it was a lose x3 and x4 on the pd x50-1340-00 board on the ground
side!! happy happy joy joy
73s

> Hi all!
> I have a ts 820s thats is possessed!!
> only on the 3.5 band (75-80 meter)whith the power on and receiving.
> The display will start to drift up or down ,then go nuts like
> showing 29.9999,the goes out.
> And when I tip the rig it will come back on,and it will do it all
> over again.
> Have cleaned the band switch (in the fanal box too)and the af avr
> board also.
> But it is still is up to its tricks.
> can someone help me?
> 73s for now
> KB1jhl
> Jason Dembowski

2968. Re: [TS-520_820_530_830] Re: ts 820s help,vfo dift only on 3.5 band

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 05:02:10 UTC
From: Bill K0ZL
Topic: 2952 Message: 2968

There you go. Congrats!

b

--- jason dembowski <umohockey@...> wrote:

>
> --- In TS-520_820_530_830@yahoogroups.com, "jason
> dembowski"
> <umohockey@y...> wrote:
> > found it !!!!
> it was a lose x3 and x4 on the pd x50-1340-00 board
> on the ground
> side!! happy happy joy joy
> 73s
>
>
>
> > Hi all!
> > I have a ts 820s thats is possessed!!
> > only on the 3.5 band (75-80 meter)whith the power
> on and receiving.
> > The display will start to drift up or down ,then
> go nuts like
> > showing 29.9999,the goes out.
> > And when I tip the rig it will come back on,and it
> will do it all
> > over again.
> > Have cleaned the band switch (in the fanal box
> too)and the af avr
> > board also.
> > But it is still is up to its tricks.
> > can someone help me?
> > 73s for now
> > KB1jhl
> > Jason Dembowski
>
>
>
>

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2969. Re: TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 17:10:04 UTC
From: ke4we
Topic: 2962 Message: 2969

Bill,
Would the correct procedure for reducing the output be using the
Carrier Control or the Drive Control???
Thanks,
Gordon
KE4WE

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> In SSB, the carrier control doesn't matter; not in the
> circuit.
>
> In CW, you set the carrier control to desired output.
>
> Try 25-40 watts for CW, it's usually as effective as
> 100 watts.
>
> I will often start a QSO at 25 watts, then work down
> to 5 watts or less. It's always surprising for the
> non-QRP guys how well it works! hi.
>
> bill
>
> --- ke4we <gordonb@a...> wrote:
>
> >
> > Hello Everyone-
> >
> > I have a TS-520SE and have been preparing to get it
> > on the air for
> > several weeks. Just got the antenna up this week.
> >
> > I have been 'practicing' tuning the rig (into a
> > dummy load of
> > course) and everything seems to being going good.
> >
> > My concern is the correct use of the Carrier
> > Control. When
> > performing the Drive Tuning, I place the control
> > around 2-3 which
> > provides approx. 2/3 scale reading.
> >
> > Should there be any further change in the control
> > (CW or SSB)??
> >

> > Thanks,
> > Gordon
> > KE4WE
> >
> >
> >
> >
>
>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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2970. Re: [TS-520_820_530_830] Re: TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 19:46:56 UTC
From: Bill K0ZL
Topic: 2962 Message: 2970

Carrier control. Leave the drive control peaked; that
is your resonant circuit for the driver tube grid and
plate, and the final grids. Having it out of resonance
will shorten the life of your driver tube and possibly
allow spurious energy in your transmission.

bill

--- ke4we <gordonb@...> wrote:

>
> Bill,
> Would the correct procedure for reducing the output
> be using the
> Carrier Control or the Drive Control???
> Thanks,
> Gordon
> KE4WE
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
>
> <coorsbill@y...> wrote:
> > In SSB, the carrier control doesn't matter; not in
> the
> > circuit.
> >
> > In CW, you set the carrier control to desired
> output.
> >
> > Try 25-40 watts for CW, it's usually as effective
> as
> > 100 watts.
> >
> > I will often start a QSO at 25 watts, then work
> down
> > to 5 watts or less. It's always surprising for
> the
> > non-QRP guys how well it works! hi.
> >
> > bill
> >
> > --- ke4we <gordonb@a...> wrote:
> >
> > >
> > > Hello Everyone-

> > >
> > > I have a TS-520SE and have been preparing to get
> it
> > > on the air for
> > > several weeks. Just got the antenna up this
> week.
> > >
> > > I have been 'practicing' tuning the rig (into a
> > > dummy load of
> > > course) and everything seems to being going
> good.
> > >
> > > My concern is the correct use of the Carrier
> > > Control. When
> > > performing the Drive Tuning, I place the control
> > > around 2-3 which
> > > provides approx. 2/3 scale reading.
> > >
> > > Should there be any further change in the
> control
> > > (CW or SSB)??
> > >
> > > Thanks,
> > > Gordon
> > > KE4WE
> > >
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> > >
> > >
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> >
> > =====
> >
> > "If in doubt, MODIFY" --k0zl
> >
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"If in doubt, MODIFY" --k0zl

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2971. Re: TS-520SE Use of Carrier Control

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 20:15:30 UTC
From: ke4we
Topic: 2962 Message: 2971

Gotcha!! That makes sense. Thanks alot for your help.

Gordon

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
<coorsbill@y...> wrote:
> Carrier control. Leave the drive control peaked; that
> is your resonant circuit for the driver tube grid and
> plate, and the final grids. Having it out of resonance
> will shorten the life of your driver tube and possibly
> allow spurious energy in your transmission.
>
> bill
>
> --- ke4we <gordonb@a...> wrote:
>
> >
> > Bill,
> > Would the correct procedure for reducing the output
> > be using the
> > Carrier Control or the Drive Control???
> > Thanks,
> > Gordon
> > KE4WE
> > >
> > >
> > > --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> > >
> > > <coorsbill@y...> wrote:
> > > > In SSB, the carrier control doesn't matter; not in
> > the
> > > > circuit.
> > > >
> > > > In CW, you set the carrier control to desired
> > output.
> > > >
> > > > Try 25-40 watts for CW, it's usually as effective
> > as
> > > > 100 watts.
> > > >
> > > > I will often start a QSO at 25 watts, then work
> > down
> > > > to 5 watts or less. It's always surprising for
> > the
> > > > non-QRP guys how well it works! hi.

> > >
> > > bill
> > >
> > > --- ke4we <gordonb@a...> wrote:
> > >
> > > >
> > > > Hello Everyone-
> > > >
> > > > I have a TS-520SE and have been preparing to get
> > it
> > > > on the air for
> > > > several weeks. Just got the antenna up this
> > week.
> > > >
> > > > I have been 'practicing' tuning the rig (into a
> > > > dummy load of
> > > > course) and everything seems to being going
> > good.
> > > >
> > > > My concern is the correct use of the Carrier
> > > > Control. When
> > > > performing the Drive Tuning, I place the control
> > > > around 2-3 which
> > > > provides approx. 2/3 scale reading.
> > > >
> > > > Should there be any further change in the
> > control
> > > > (CW or SSB)??
> > > >
> > > > Thanks,
> > > > Gordon
> > > > KE4WE
> > > >
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> > > >
> > > >
> > > >
> > > >
> > > > =====
> > > >
> > > > "If in doubt, MODIFY" --k0zl
> > > >
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2972. Kenwood Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 21:35:09 UTC
From: n5nme
Topic: 225 Message: 2972

Anyone know where I can by some paint to redo a Kenwood transverter case, that will come close to matching the orginal color?

Thanks, John n5nme

2973. Re: [TS-520_820_530_830] Kenwood Paint

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-11 22:06:00 UTC
From: Norm Fusaro
Topic: 225 Message: 2973

Dove Gray from Krylon is very, very close
73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "n5nme" <n5nme@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Saturday, December 11, 2004 4:35 PM
Subject: [TS-520_820_530_830] Kenwood Paint

>
>
> Anyone know where I can by some paint to redo a Kenwood transverter
> case, that will come close to matching the orginal color?
>
> Thanks, John n5nme
>
>
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2974. Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-13 04:22:06 UTC
From: ka9inv
Topic: 2974 Message: 2974

Hello all,

I just bought a TS-820s for my first HF rig, and unfortunately I'm encountering difficulty right out of the package. I am a relatively new ham who just upgraded to General class, so radio repair is insofar not one of my strong points - I honestly cannot figure out what the problem is, and I hope I'm not missing something obvious. My apologies if this is somewhere else on this site, although I searched and didn't find anything quite like this.

Anyway... I am having a strange problem with the DG-1 display. It has all of the normal symptoms that people normally complain about, except that I have cleaned the contacts and have reseated the connector a number of times, to no avail. Additionally, when the display does decide to function correctly, a strange thing occurs: the display shows a frequency BELOW the selected band, not above! For instance, if the dial shows 100 and I'm on the 40m band, the digital display will say that I'm on 6.900.0 instead of 7.100.0!

Anybody with a little more experience than I care to offer some possible solutions?

Thanks and 73s,

Sal KA9INV

(This post might look familiar to anybody who frequents Eham... I thought I'd try there first before asking a question that's probably been answered in one form or another here, hi!)

2975. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-13 12:49:56 UTC
From: Dave & Loraine
Topic: 2974 Message: 2975

Hi Sal,
I sympathise!
My 820s has a similar problem which we ain't solved yet!

I cleaned all connectors and inter-board connectors and all switches.
The mechanical tuning works accurately on all bands.
The 10MHz digit switches correctly.
The 1MHz digit shows 9 on 1.8 thru 14, and shows 8 on 21 thru 29.5 and WWV.
The first and second decimal MHz digits are locked on zero.
The third decimal MHz digit counts from zero to 3 then starts over from
zero.
The last decimal digit counts normally.
Go figure...

Ideas from the group would be appreciated

Dave

2976. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-13 13:39:35 UTC
From: Richard Harris
Topic: 2974 Message: 2976

Sal,

Have you check out www.radiomods.co.nz/kenwood/kenwooddg1.html

73s

Richard G3OTK

At 04:22 13/12/2004 +0000, you wrote:

>Hello all,
>
>I just bought a TS-820s for my first HF rig, and unfortunately I'm
>encountering difficulty right out of the package. I am a relatively
>new ham who just upgraded to General class, so radio repair is
>insofar not one of my strong points - I honestly cannot figure out
>what the problem is, and I hope I'm not missing something obvious.
>My apologies if this is somewhere else on this site, although I
>searched and didn't find anything quite like this.
>
>Anyway... I am having a strange problem with the DG-1 display. It
>has all of the normal symptoms that people normally complain about,
>except that I have cleaned the contacts and have reseated the
>connector a number of times, to no avail. Additionally, when the
>display does decide to function correctly, a strange thing occurs:
>the display shows a frequency BELOW the selected band, not above!
>For instance, if the dial shows 100 and I'm on the 40m band, the
>digital display will say that I'm on 6.900.0 instead of 7.100.0!
>
>Anybody with a little more experience than I care to offer some
>possible solutions?
>
>
>Thanks and 73s,
>
>Sal KA9INV
>
>
>(This post might look familiar to anybody who frequents Eham... I
>thought I'd try there first before asking a question that's probably
>been answered in one form or another here, hi!)
>
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[Non-text portions of this message have been removed]

2977. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 01:18:47 UTC
From: Larry Waisner
Topic: 2974 Message: 2977

Hello Sal;
I have a 820s that has a brain of its own when it comes to the display
I have done everything Dave has done also to mine. It will work great
and when it wants too it will drop a # on any digit and then add a #
The next time I turn it on it runs like a champ.
Larry/ KD5VXK(ag)

--- In TS-520_820_530_830@yahoogroups.com, "Dave & Loraine"
<dave.crooks@t...> wrote:
> Hi Sal,
> I sympathise!
> My 820s has a similar problem which we ain't solved yet!
>
> I cleaned all connectors and inter-board connectors and all
switches.
> The mechanical tuning works accurately on all bands.
> The 10MHz digit switches correctly.
> The 1MHz digit shows 9 on 1.8 thru 14, and shows 8 on 21 thru 29.5
and WWV.
> The first and second decimal MHz digits are locked on zero.
> The third decimal MHz digit counts from zero to 3 then starts over
from
> zero.
> The last decimal digit counts normally.
> Go figure...
>
> Ideas from the group would be appreciated
>
> Dave

2978. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 03:20:08 UTC
From: ka9inv
Topic: 2974 Message: 2978

Hello everyone,

Congrats to Larry on your upgrade to General! And, thank you to
Richard G3OTK for the website; I had not seen that page before.

An update...
First, I have resolved to get a more experienced ham to help me
with resoldering those connections. I don't trust myself to do it --
I have a nasty tendency to overheat boards and cause the foil to
start peeling off. Not a good thing, of course, so I have to find
someone who actually is good at it to help me out.
Secondly, now I have another problem. Not only is the display
refusing to come on at all, but now instead of the usual static, all
I'm hearing is an odd buzz -- though not quite an AC hum. Be that as
it may, might this be due to a poor ground?

Again, thanks Richard. Hopefully something on that website will get
the display functioning correctly. From the reviews I've read, the
headaches I've had so far with the TS-820S will be worth it. :)

73,

Sal KA9INV

--- In TS-520_820_530_830@yahoogroups.com, "Larry Waisner"
<larimo@v...> wrote:
>
> Hello Sal;
> I have a 820s that has a brain of its own when it comes to the
display
> I have done everything Dave has done also to mine. It will work
great
> and when it wants too it will drop a # on any digit and then add a
#
> The next time I turn it on it runs like a champ.
> Larry/ KD5VXK(ag)
>
> --- In TS-520_820_530_830@yahoogroups.com, "Dave & Loraine"
> <dave.crooks@t...> wrote:
> > Hi Sal,
> > I sympathise!
> > My 820s has a similar problem which we ain't solved yet!
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> > I cleaned all connectors and inter-board connectors and all
> switches.
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> > The 1MHz digit shows 9 on 1.8 thru 14, and shows 8 on 21 thru
29.5
> and WWV.
> > The first and second decimal MHz digits are locked on zero.
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over
> from
> > zero.
> > The last decimal digit counts normally.
> > Go figure...
> >
> > Ideas from the group would be appreciated
> >
> > Dave

2979. re: Kenwood Mods Page

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 03:48:38 UTC
From: Larry Waisner
Topic: 2979 Message: 2979

Thank You Richard,

For the mods page, I will definetly do that to my 820.
I am having a wonderful time right now with my 520.
I am wanting to get both radios in top shape.
Thanks Again,
Larry, KD5VXK(ag)

2980. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 09:00:14 UTC
From: Walt Breining
Topic: 2974 Message: 2980

Sal:

It looks like you may have two problems. The erratic display is one and the dead display radio the second.

There is a round VFO plug on the back of the 820. A VFO or a dummy plug must be plugged in tight. If it is not the radio and display will be dead except for a little audio noise.

If the VFO plug is lose or out, fixing this will bring you back to the erratic display. Every little bit helps.

Vy 73, Walt N9WB

----- Original Message -----
From: ka9inv
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, December 13, 2004 10:20 PM
Subject: [TS-520_820_530_830] Re: Unusual display problem with 820s

Hello everyone,

Congrats to Larry on your upgrade to General! And, thank you to
Richard G3OTK for the website; I had not seen that page before.

An update...
First, I have resolved to get a more experienced ham to help me
with resoldering those connections. I don't trust myself to do it --
I have a nasty tendency to overheat boards and cause the foil to
start peeling off. Not a good thing, of course, so I have to find
someone who actually is good at it to help me out.
Secondly, now I have another problem. Not only is the display
refusing to come on at all, but now instead of the usual static, all
I'm hearing is an odd buzz -- though not quite an AC hum. Be that as
it may, might this be due to a poor ground?

Again, thanks Richard. Hopefully something on that website will get
the display functioning correctly. From the reviews I've read, the
headaches I've had so far with the TS-820S will be worth it. :)

73,

Sal KA9INV

--- In TS-520_820_530_830@yahoogroups.com, "Larry Waisner"
<larimo@v...> wrote:
>
> Hello Sal;
> I have a 820s that has a brain of its own when it comes to the

display
> I have done everything Dave has done also to mine. It will work
great
> and when it wants too it will drop a # on any digit and then add a
#
> The next time I turn it on it runs like a champ.
> Larry/ KD5VXK(ag)
>
> --- In TS-520_820_530_830@yahoogroups.com, "Dave & Loraine"
> <dave.crooks@t...> wrote:
> > Hi Sal,
> > I sympathise!
> > My 820s has a similar problem which we ain't solved yet!
> >
> > I cleaned all connectors and inter-board connectors and all
> switches.
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29.5
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> > The first and second decimal MHz digits are locked on zero.
> > The third decimal MHz digit counts from zero to 3 then starts
over
> from
> > zero.
> > The last decimal digit counts normally.
> > Go figure...
> >
> > Ideas from the group would be appreciated
> >
> > Dave

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2981. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 13:31:20 UTC
From: Richard Harris
Topic: 2974 Message: 2981

Dave,

Is this a DG-1 unit, the same type as mentioned in Sal's e-mail? I can't find a circuit on the web (but see below). Since it must be more than 20 years old then the counter ICs just might be small scale e.g 74 series TTL. My guess as to what is happening is as follows:-

The signal that is being counted will go to the divider for the right hand-most digit (kHz?) (which seems to count OK) and the carry from that divider will go to the second from the right (10s of kHz?). From your description, the two least significant bits of that counter are getting to the decoder for that digit but not the most significant two bits, so it counts just 0, 1, 2 or 3. The carry from the counter for that digit isn't getting to the third digit from the right (100s of kHz?) and so those stay on zero. The left hand digit probably has a number pre-loaded just before the count starts and that is why you see either an 8 or a 9.

If it is the DG1 that you have
then www.mods.dk/view.php?ArticleId=1543
www.mods.dk/view.php?ArticleId=1564 and
www.mods.dk/view.php?ArticleId=1537 may help. The implication is that the DG5 is similar to the DG1 and the site contains the manual (including circuit) for the DG5, so that may help as well. The download is very slow, so grab yourself a coffee! The counters appear to be straight forward BCD, although I haven't found a part number yet. I will try to work my way through it later.

So I suggest that you try to locate the counter IC for the second digit from the right and re-solder the pins - the link that I posted yesterday to an NZ web site and the links above say that solder joints of DG-1 are not that reliable. If that doesn't work, then replace it if you can find a suitable part.

Good luck

73s

Richard G3OTK

At 13:49 13/12/2004 +0100, you wrote:
>Hi Sal,
>I sympathise!
>My 820s has a similar problem which we ain't solved yet!
>
>I cleaned all connectors and inter-board connectors and all switches.
>The mechanical tuning works accurately on all bands.
>The 10MHz digit switches correctly.

>The 1MHz digit shows 9 on 1.8 thru 14, and shows 8 on 21 thru 29.5 and WWV.
>The first and second decimal MHz digits are locked on zero.
>The third decimal MHz digit counts from zero to 3 then starts over from
>zero.
>The last decimal digit counts normally.
>Go figure...
>
>Ideas from the group would be appreciated
>
>Dave
>
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2982. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 14:02:48 UTC
From: Walt Breining
Topic: 2974 Message: 2982

----- Original Message -----
From: Richard Harris
To: TS-520_820_530_830@yahoogroups.com
Sent: Tuesday, December 14, 2004 8:31 AM
Subject: Re: [TS-520_820_530_830] Unusual display problem with 820s

Dave,

Is this a DG-1 unit, the same type as mentioned in Sal's e-mail? I can't find a circuit on the web (but see below). Since it must be more than 20 years old then the counter ICs just might be small scale e.g 74 series TTL. My guess as to what is happening is as follows:- Snip:
Thank You Richard. This is going to be very helpful to me also!

Vy 73, Walt N9WB

[Non-text portions of this message have been removed]

2983. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 13:58:02 UTC
From: Dave & Loraine
Topic: 2974 Message: 2983

Thanks Richard

The display is DG1A according to the 820s manual.

I appreciate your logic re the logic board!
I've re-soldered all the thru-hole points and the inter-board connectors as per NZ but no change..

I'll look at the links and the ICs tonight.
Thanks again for your help.
Dave

2984. MC-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 14:08:44 UTC
From: Jesse
Topic: 1307 Message: 2984

Can the mc-50 be wired to a hr2510 ?

2985. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 15:13:37 UTC
From: Richard Harris
Topic: 2974 Message: 2985

Dave,

It looks like the counter ICs are 74LS90. There are available from at least one UK broad line distributor (Farnell Electronics, the company that owns Newark in the States, which I believe is one of your major distributors) - that was the first catalog that I looked at. I hope to study the circuit of the DG-5 to night to get a better idea of how it works. So spare ICs may not be a problem.

Incidentally, I believe that Service Manual for the TS820 is available from www.mods.dk but it is 16MB, so an overnight download would seem to be in order. I started to download it but the site was only sending out a few kB per second and I gave up when the predicted download time was over 1 hour.

73,

Richard G3OTK

At 14:58 14/12/2004 +0100, you wrote:
>Thanks Richard
>
>The display is DG1A according to the 820s manual.
>
>I appreciate your logic re the logic board!
>I've re-soldered all the thru-hole points and the inter-board connectors as
>per NZ but no change..
>
>I'll look at the links and the ICs tonight.
>Thanks again for your help.
>Dave
>
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2986. Re: TS830 Drive plastic sprockets broken. Help

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 17:57:19 UTC
From: yv5grb
Topic: 2965 Message: 2986

The R-820 and SM-220 use them too, I made them whith the help of a
small lathe (in a simple way)

73 de ED

--- In TS-520_820_530_830@yahoogroups.com, "Bacilococo vulgaris"
<jary@i...> wrote:
>
> I have a problem whit Drive plastics sprockets in My TS830, due time
> and over-tighten the plastic is brocket and I need know where can I
> buy this replacement parts. (D13-0405-04)
> Thanks in advance.

2987. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 18:15:22 UTC
From: Dave & Loraine
Topic: 2974 Message: 2987

Hi Richard

Thanks for the info.
I've got the dodgy .pdf version of the manual. I'll have to buy an original on eBay!
Thanks for the info on replacement ICs. I'll look forward to your opinion on the circuit.

Cheers
Dave

2988. Re: [TS-520_820_530_830] MC-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-14 19:52:37 UTC
From: Norm Fusaro
Topic: 1307 Message: 2988

Why not?
White is your audio lead and sheild is mic gnd.

Black is gnd and red is TX relay.

Have fun.
Norm, W3IZ

Jesse <jessdog259@...> wrote:

Can the mc-50 be wired to a hr2510 ?

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2989. Re: [TS-520_820_530_830] MC-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 02:02:02 UTC
From: Jesse Fields
Topic: 1307 Message: 2989

Norm there is no white lead,there is a red,purple,yellow under black and the shelid. I have tried all combos can get it to key but no audio. Jesse

Norm Fusaro <w3iz@...> wrote:Why not?
White is your audio lead and sheild is mic gnd.

Black is gnd and red is TX relay.

Have fun.
Norm, W3IZ

Jesse <jessdog259@...> wrote:

Can the mc-50 be wired to a hr2510 ?

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2990. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 15:39:18 UTC
From: Dave & Loraine
Topic: 2974 Message: 2990

Hi Richard,

The counters appear to be various forms of Toshiba TD34**AP.

Dave

2991. ts-530 screen grid resistors

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 15:53:24 UTC
From: blobby12uk
Topic: 2991 Message: 2991

I have been checking around the output stage of mt TS-530,follwing an
article in the this months RADCOM magazine.
Preliminary tests indicate R7/R8 100ohm are different by 30%.
I will probably change these,but what resistor type would be best.
I presume doing this will make sure both valves are doing equal
amount of work.
Regards
Bob

2992. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 18:29:08 UTC
From: Richard Harris
Topic: 2974 Message: 2992

Hi Dave,

I have looked at the circuit that I downloaded and it is much as I expected. The design must date from about the mid-'70s and I was designing circuits at that time with the same types of ICs - rather like meeting old friends after all these years!

I have worked my way through the circuit and understand most of it - a brief description appears below. The ICs are either Texas Instrument's TTL or what I assume to be Japanese equivalents - the part codes are a little different but I don't think that matters. The TD34**AP that you mention in your other e-mail is, I believe, equivalent to 74** - for example, a TD3400AP is equivalent to a 7400. Many of these I recognise, the rest I have forgotten! There is a lot of electronics in this box but at least most of the parts are available, or there are suitable alternatives, so it should be maintainable. Which is more than can be said for more modern equipment.

I have some questions for you.

1. The circuit that I down loaded is said to be the DG-5. Can you confirm you have the DG-1? The download (which doesn't have DG-1 or DG-5 printed anywhere) states that it is used with the TS-520. Maybe someone in the group can list the major differences between the TS-520 and the TS-820.

2. How many digits are there is the display? The schematic that I downloaded shows six digits.

3. Are there connectors on the back for "HET", "CAR" and "VFO"? What other connectors are there? Are there any switches? If so what are the markings?

4. With standard TTL ICs it should be possible to track waveforms through the counters. Do you have an oscilloscope available (say at least 20MHz bandwidth)?

There are two 6 digit BCD counter chains, using 7490 TTL ICs. One chain counts the "HET" oscillator. The 4 bit BCD outputs from this chain of counters are loaded into the preset inputs of the second chain which counts the frequency of the VFO mixed with the carrier oscillator (I assume that is the oscillator associated with the filter - there is a dual-gate MOSFET which performs the mixing function) I don't think that is all of the story as far as the input signal to this counter chain is concerned but I don't know the frequencies used in the TS-820 (I have a TS-530), so it may be a little more involved. The second chain therefore has an output that this the sum of the HET oscillator and the VFO + Carrier.

At the end of the counting period the six BCD outputs from the second counting chain are latched in six 4-bit latches (74LS75). Latching the outputs means that the display is steady and you don't see it counting.

Working back from the display. This is a six digit seven segment display which is multiplexed, one digit at a time, that is each digit is displayed for 1/6 of the time. The segments are driven by a BCD to seven segment decoder IC (74247) and the appropriate 4 bits from the six latches are selected by a series of multiplexers.

I can provide further detail if required.

73s

Richard G3OTK

At 19:15 14/12/2004 +0100, you wrote:
>Hi Richard
>
>Thanks for the info.
>I've got the dodgy .pdf version of the manual. I'll have to buy an original
>on eBay!
>Thanks for the info on replacement ICs. I'll look forward to your opinion on
>the circuit.
>
>Cheers
>Dave
>
>
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><http://us.ard.yahoo.com/SIG=129kmv3d7/M=295196.4901138.6071305.3001176/D=groups/S=1705063108:HM/EXP=1103134729/A=2128215/R=0/SIG=10se96mf6/*http://companion.yahoo.com>b9a568.jpg
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[Non-text portions of this message have been removed]

2993. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 19:39:50 UTC
From: Dave & Loraine
Topic: 2974 Message: 2993

Hi Richard,

1) The display is DG1.
Maybe someone in the group can list the major differences between the TS-520 and the TS-820.

2) 6 digits.(also on the far left is a -ve symbol not in use)
TS-820s has 1.8, 3.5, 7, 14, 15, 21, 28, 28.5, 29, 29.5MHz via the bandswitch.
Tuning adds 0 - 500kHz to these frequencies.

3) One input connector on the bottom and one output connector on the top to the display.
The schematic identifies the inputs but my poor copy does not show "HET", VFO or CAR.
No switches.

4) I've only got an old 10MHz scope. Would that be of any use for tracking?

Thanks for the description of the logic.
I can email you my .pdf manual (a couple of Meg) if that would help.

Cheers
Dave

2994. do you need ts-820s service and user manuals?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 19:53:39 UTC
From: jason dembowski
Topic: 2994 Message: 2994

If you may need a copy for the ts 820s manuals just ask and will
send you a copy for free.
Hams pass imfo all the time ,let's keep it this way.
73s all
and happy HOLIDAYS
KB1JHL

2995. Re: [TS-520_820_530_830]Copies of manuals

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 21:59:26 UTC
From: james27613@att.net
Topic: 2995 Message: 2995

You can get most Kenwood and other brand manuals from

http://www.manualman.com/

fast and professional service,

plus Pete is on this group !

73 james ke4drn

2996. TS820 - TS830 Rear VFO Socket

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-15 22:55:03 UTC
From: Bill & Becky
Topic: 2996 Message: 2996

Hello,

This is my first post to this fine group. I have a R820 and Transceiver cable for attaching to a TS820S VFO socket. Would anyone know if a TS830S rear VFO socket is wired the same as a TS820S rear socket?

I just love Kenwood rigs and hope I can contribute in the future.

Best Holidays,

Bill KB9IV

2997. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 08:18:31 UTC
From: Richard Harris
Topic: 2974 Message: 2997

Dave,

Its probable that the circuit that I downloaded will be very similar to the DG-1 even if it is a DG-5. I think it is unlikely that Kenwood would have two completely different designs. Does the PCB layout (IC locations etc) look like that in the downloaded document?

A 10MHz scope should be fine. For a start I suggest just going along the counter chain looking for pulses. If there are pulses on the input to a counter but no carry to the next stage then that may be the problem IC. From your earlier description of the fault, IC21 is current favourite.

I would appreciate a copy of the manual. Can you e-mail me directly? Maybe we should carry this correspondence outside of the group - we could copy anyone else who may be interested.

Richard

At 20:39 15/12/2004 +0100, you wrote:
>Hi Richard,
>
>1) The display is DG1.
>Maybe someone in the group can list the major differences between the TS-520
>and the TS-820.
>
>2) 6 digits.(also on the far left is a -ve symbol not in use)
>TS-820s has 1.8, 3.5, 7, 14, 15, 21, 28, 28.5, 29, 29.5MHz via the
>bandswitch.
>Tuning adds 0 - 500kHz to these frequencies.
>
>3) One input connector on the bottom and one output connector on the top to
>the display.
>The schematic identifies the inputs but my poor copy does not show "HET",
>VFO or CAR.
>No switches.
>
>4) I've only got an old 10MHz scope. Would that be of any use for tracking?
>
>Thanks for the description of the logic.
>I can email you my .pdf manual (a couple of Meg) if that would help.
>
>Cheers
>Dave
>
>
>

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2998. Re: [TS-520_820_530_830] do you need ts-820s service and user manuals?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 08:22:32 UTC
From: Richard Harris
Topic: 2994 Message: 2998

Jason,

Do you have an electronic copy of the TS-820 manual that you could send to
Dave and myself?

Richard G3OTK

At 19:53 15/12/2004 +0000, you wrote:

>If you may need a copy for the ts 820s manuals just ask and will
>send you a copy for free.
>Hams pass imfo all the time ,let's keep it this way.
>73s all
>and happy HOLIDAYS
>KB1JHL
>
>
>
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2999. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 13:19:51 UTC
From: Walt Breining
Topic: 2974 Message: 2999

Richard:

I would appreciate it if you could copy me with the continuance of this discussion if you go outside the group. I had a TS-820 that had the same or a similar problem. It occurred at about the time I was going through a divorce. I had to put the 820 in storage and over the years it was destroyed by acid due to an accident. Using it for parts, I restored two "beyond repair" Kenwood 820s. The readout in them works fine so far but it is likely that I might encounter the problem again.

Although I am a former broadcast engineer and repair technician, this type of TTL circuitry is my technical weakness. It is hard to find a good explanation of how to go about troubleshooting this type of circuit. I have already printed two of your messages and placed them in my service manual.

One of my 820's does have a slight readout problem. The last digit wanders +/- 3 digits only on 160. The radio itself is not moving. I suspect one of the signal levels is slightly low to the counter and plan to look into this over the next couple of weeks.

Vy 73, Walt N9WB

----- Original Message -----
From: Richard Harris
To: TS-520_820_530_830@yahoogroups.com
Sent: Thursday, December 16, 2004 3:18 AM
Subject: Re: [TS-520_820_530_830] Unusual display problem with 820s

Dave,

Maybe we should carry this correspondence outside of the group -
we could copy anyone else who may be interested.

Richard

[Non-text portions of this message have been removed]

3000. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 13:26:21 UTC
From: Richard Harris
Topic: 2974 Message: 3000

Walt,

I'll copy you with any correspondence between Dave and myself. I believe
that this unit should be fixable.

Richard

At 08:19 16/12/2004 -0500, you wrote:
>Richard:
>
>I would appreciate it if you could copy me with the continuance of this
>discussion if you go outside the group. I had a TS-820 that had the same
>or a similar problem. It occurred at about the time I was going through a
>divorce. I had to put the 820 in storage and over the years it was
>destroyed by acid due to an accident. Using it for parts, I restored two
>"beyond repair" Kenwood 820s. The readout in them works fine so far but it
>is likely that I might encounter the problem again.
>
>Although I am a former broadcast engineer and repair technician, this type
>of TTL circuitry is my technical weakness. It is hard to find a good
>explanation of how to go about troubleshooting this type of circuit. I
>have already printed two of your messages and placed them in my service manual.
>
>One of my 820's does have a slight readout problem. The last digit wanders
>+/- 3 digits only on 160. The radio itself is not moving. I suspect one of
>the signal levels is slightly low to the counter and plan to look into
>this over the next couple of weeks.
>
>Vy 73, Walt N9WB
>
> ----- Original Message -----
> From: Richard Harris
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Thursday, December 16, 2004 3:18 AM
> Subject: Re: [TS-520_820_530_830] Unusual display problem with 820s
>
>
> Dave,
>
> Maybe we should carry this correspondence outside of the group -
> we could copy anyone else who may be interested.
>
> Richard
>
>
>[Non-text portions of this message have been removed]

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3001. "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 13:44:22 UTC
From: jimbart
Topic: 3001 Message: 3001

I thought I read somewhere about someone getting 'bitten' by the rig.
Checking the database, it seems that problem isn't egg-zackly mine.
Situation: TS830S; VOX = On; Mode = CW; 3-conductor line cord,
grounded; key = Vibroplex "Original" bug, not keyer.
Problem: If I try to adjust either CAR or RF Gain while keying, I get
this hot little buzz in my finger ...
Fix: The obvious is avoidance: don't adjust a metal knob while
keying.
But, this is a bit disconcerting & I'd like to consider remedy
instead of avoidance.
Inquirin' minds wanna know ...
Thanks,
Jim
KE5CXX

3002. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 14:28:14 UTC
From: n6ayj
Topic: 2974 Message: 3002

I have an original TS-820 service manual. Since I find this discussion so interesting and helpful, I would be willing to send one of you gentlemen a copy of the manual, if you so desire. Please advise if you would like me to do so. Bill Crowell, N6AYJ

3003. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 14:56:16 UTC
From: Bill K0ZL
Topic: 2974 Message: 3003

Second that; OK to go on with long threads as we all
want to see this resolved, hi!

Please continue trimming your replies, leaving the
text (or parts of it) that you are replying to. You
guys are doing great.

73,

Bill

--- Walt Breining <n9wb@...> wrote:

> Richard:
>
> I would appreciate it if you could copy me with the
> continuance of this discussion if you go outside the
> group....

=====

"If in doubt, MODIFY" --k0zl

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3004. Re: [TS-520_820_530_830] "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 14:57:34 UTC
From: Bill K0ZL
Topic: 3001 Message: 3004

You have RF in the shack, common problem.

What antenna you running? What band?

bill

--- jimbart <jimb@...> wrote:

>
> I thought I read somewhere about someone getting
> 'bitten' by the rig.
> Checking the database, it seems that problem isn't
> egg-zackly mine.
> Situation: TS830S; VOX = On; Mode = CW; 3-conductor
> line cord,
> grounded; key = Vibroplex "Original" bug, not keyer.
> Problem: If I try to adjust either CAR or RF Gain
> while keying, I get
> this hot little buzz in my finger ...
> Fix: The obvious is avoidance: don't adjust a metal
> knob while
> keying.
> But, this is a bit disconcerting & I'd like to
> consider remedy
> instead of avoidance.
> Inquirin' minds wanna know ...
> Thanks,
> Jim
> KE5CXX
>
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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3005. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 17:15:58 UTC
From: Dave & Loraine
Topic: 2974 Message: 3005

Hi Bill(N6AYJ),

Thanks for your kind offer.
Please send to:
D Crooks
La Petite Besage
24240 THENAC
France
(or email if you prefer)
I will gladly pay your costs.

Jason,
Please send a copy to Richard as kindly offered.
I'll pay your costs.

We'll then be singing from the same hymsheet and should be able to fix this problem.
As Bill suggested, we'll continue online.

Thanks to all for a great group.

Dave

3006. TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 17:51:28 UTC
From: Bruce H. McIntosh
Topic: 3006 Message: 3006

I've searched the group archive and not gotten any hits, so...

Anyone gone down the road of using those little hundred-dollar TenTec VHF transverters with a TS-830s? Success? Failure? And I guess this'd likely bring up the side question of the most effective means of reducing the power out on the 830. I've seen mention of monkeying with the ALC voltage to reduce drive without compromising ssb audio quality. I got to thinking, "wouldn't it be cool to convert that "Fixed oscillator" button that nobody seems to use into a "QRP" button that'd back the rig down to 5-10W out at the push of a switch?" Is this a reasonable course to pursue, or am I flat off my rocker?

3007. Re: "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 18:00:12 UTC
From: jimbart
Topic: 3001 Message: 3007

Alpha-Delta DX4020 in the attic, on 40 & 20, feedline 50' RF9914F
(probably about 20' too much) Usually run a little under full power.

The DX4020 is cut for 20m with coils (not full traps) for 40. SWR on
lower ends of bands (CW world, where you'll usually find me) less
than 1.5:1

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> You have RF in the shack, common problem.
>
> What antenna you running? What band?
>
> bill
>
> --- jimbart <jimb@h...> wrote:
>
> >
> > I thought I read somewhere about someone getting
> > 'bitten' by the rig.
> > Checking the database, it seems that problem isn't
> > egg-zackly mine.
> > Situation: TS830S; VOX = On; Mode = CW; 3-conductor
> > line cord,
> > grounded; key = Vibroplex "Original" bug, not keyer.
> > Problem: If I try to adjust either CAR or RF Gain
> > while keying, I get
> > this hot little buzz in my finger ...
> > Fix: The obvious is avoidance: don't adjust a metal
> > knob while
> > keying.
> > But, this is a bit disconcerting & I'd like to
> > consider remedy
> > instead of avoidance.
> > Inquirin' minds wanna know ...
> > Thanks,
> > Jim
> > KE5CXX
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>
> =====
>
> "If in doubt, MODIFY" --k0zl
>
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3008. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 17:55:37 UTC
From: Richard Harris
Topic: 2974 Message: 3008

Bill,

Thanks for your advice - I didn''t know what the etiquette might be in this situation. There seems to be a number of members with an interest in the TS-820 and associated digital frequency display, so if Dave is happy to do some probing around in his unit then maybe between us we can get it fixed. Let me know if you get bored!

Do you know the differences between the DG1 and the DG5?

73,

Richard

At 06:56 16/12/2004 -0800, you wrote:
>Second that; OK to go on with long threads as we all
>want to see this resolved, hi!
>
>Please continue trimming your replies, leaving the
>text (or parts of it) that you are replying to. You
>guys are doing great.
>
>73,
>
>Bill
>
>--- Walt Breining <n9wb@...> wrote:
>
> > Richard:
> >
> > I would appreciate it if you could copy me with the
> > continuance of this discussion if you go outside the
> > group....
>
>=====
>
>"If in doubt, MODIFY" --k0zl
>
>Need a tech? See our website www.amateur-repairs.com
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>___________________________________

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[Non-text portions of this message have been removed]

3009. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 17:58:49 UTC
From: Richard Harris
Topic: 2974 Message: 3009

Bill,

That's very kind of you. The second offer we have had - this is a great discussion group. Jason, KB1JHL, is going to send me an electronic copy, although it is such a large file that it has to be sent in two parts. Bill, K0ZL, has suggested that we continue this thread rather than go off-line, so I will carry on posting here.

I wonder if anyone has a manual with schematic for a DG-1. Its intelligent guesses otherwise!

Richard G3OTK

At 14:28 16/12/2004 +0000, you wrote:

>I have an original TS-820 service manual. Since I find this
>discussion so interesting and helpful, I would be willing to send one
>of you gentlemen a copy of the manual, if you so desire. Please
>advise if you would like me to do so. Bill Crowell, N6AYJ
>
>
>
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><http://us.ard.yahoo.com/SIG=129mrkmbr/M=294855.5468653.6549235.3001176/D=groups/S=1705063108:HM/EXP=1103293753/A=2455396/R=0/SIG=119u9qmi7/*http://smallbusiness.yahoo.com/domains/>221f364.jpg
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3010. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 18:26:01 UTC
From: Dave & Loraine
Topic: 2974 Message: 3010

Hi Richard,
As you may have read, I've asked Jason to send you a copy and Bill to send me a copy.

My counter board X54-1160-00 has five TD3490 back-to-back with five TD3475.
Their PCB tracks indicate a chain.
If so, they are IC7-11 counters and IC12-16 latches?. Just a guess on my part!
My IC21 is one of only two TD3460 on the board.
Should we rather be looking at either IC8 or IC10 as the suspect?
This is pushing my envelope much better! Your guidance is invaluable.

I note that the feed for the counter assy includes two coax (RF?) leads.
Which two of the three frequencies get HETrodyned before the counter assy?
I'll scope the two to see what's being sent.

Cheers
Dave

3011. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 18:38:38 UTC
From: donii@sympatico.ca
Topic: 2974 Message: 3011

Hi gang
I'm glad that Bill suggested that this particular thread continue on the reflector. I too have a TS 820 sd. Now its working perfectly (almost.. a bit low audio on recieve) but sooner or later Murphy will pay me one of his frequent visits to my shack. My 820 is the most 'advanced' rig I have and I'm sure that he will be eyeing it! So the more I learn from you guys is my best protection against him.
73 and reading (and archiving) all of the posts
Peter
VE2FAR

3012. Re: [TS-520_820_530_830] "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 19:10:44 UTC
From: bill linn
Topic: 3001 Message: 3012

Hi,
A keying relay, such as Chuck Olsen's (Jackson Harbor Press) "Keyall" solid state unit. The benefits include the isolation you need from the high voltage at the key and also being able to use any modern solid state keyer with your rig. Take a look at Chuck's site.

http://jacksonharbor.home.att.net/keyall.htm

I built one of these for my 520.

Bill - W7WEL

----- Original Message -----
From: "jimbart" <jimb@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, December 16, 2004 5:44 AM
Subject: [TS-520_820_530_830] "Hot" rigs ...

>
>
> I thought I read somewhere about someone getting 'bitten' by the rig.
> Checking the database, it seems that problem isn't egg-zackly mine.
> Situation: TS830S; VOX = On; Mode = CW; 3-conductor line cord,
> grounded; key = Vibroplex "Original" bug, not keyer.
> Problem: If I try to adjust either CAR or RF Gain while keying, I get
> this hot little buzz in my finger ...
> Fix: The obvious is avoidance: don't adjust a metal knob while
> keying.
> But, this is a bit disconcerting & I'd like to consider remedy
> instead of avoidance.
> Inquirin' minds wanna know ...
> Thanks,
> Jim
> KE5CXX
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3013. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 19:30:20 UTC
From: Richard Harris
Topic: 2974 Message: 3013

Hi Dave,

I have managed to download pin-outs of most of the ICs from the TI.com web site. I will be QRT on e-mail from this evening (Thursday) until Monday morning.

Can you take the cover off the unit and see if the component placement ties up with the DG5 download? If it doesn't, then perhaps you could sketch the IC positions and scan/e-mail it to me. Please note down IC types.

Taking the DG 5. The frequency reference is a 10MHz crystal oscillator and this is divided down to 10Hz using six 7490s. The gating time is 0.1 sec which means the resolution could be 10Hz, but isn't because the two counter chains start off with a divide-by-10 before the counter for the first (100Hz) digit. The "HET" input goes to one counter chain consisting of a 74196 decade counter followed by 6 of 7490. The outputs of these are parallel loaded into the other counter chain (for VFO + CAR) consisting of seven 74176 decade counters. The last six are parallel loaded into six 74LS75 four bit latches, then to the multiplexers and onto the seven-segment decoder and then to the display.

Can you identify these IC chains on the circuit board?

The 7490 counters are odd-balls because the power pins are not the corner pins. I think that dates them. They are two section counters, a divide-by-2 followed by a divide-by-5. The output of the first section (pin 12) is connected to the clock input of the second section (pin 1). The clock input to the first divide-by-2 stage is pin 14, so you could make a start by checking whether there are pulses at each pin 14 of these ICs. The pulses will be in bursts.

The 74196 counters are similar in concept (divide-by-2 and divide-by-5), although at least the power is on the corner pins as per most logic ICs. The clock inputs are on pin 8, so these are pins that you could check for pulse activity. Spare 74196 ICs may take some finding.

Let me know your results and I will give the problem some more thought.

73s

Richard G3OTK

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[Non-text portions of this message have been removed]

3014. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 19:45:05 UTC
From: Richard Harris
Topic: 2974 Message: 3014

Dave,

I should have looked for incoming mail before I sent the e-mail that has
just gone. It looks like there are considerable differences between the
DG5 and the DG1. The other e-mail contains a brief description of the 7490
which must be the equivalent of the TD3490. The TD3475 will be equivalent
to a 7475 although the -5 uses the LS version. So your guess was inspired!

So can you check the input clock (pin 14) to the '90's for pulse
activity? You might also check the QA output (pin 12), the QB (pin 9), the
QC (pin 8) and the QD (pin11). All of these should have pulses (probably
in bursts), with decreasing frequency progressing QA to QD.

I haven't been able to find a pin-out for the TD3460 (or 7460). Ignore my
earlier guess of IC21 because the DG1 is obviously quite different to the
DG5. I've changed my guess to IC8!

Richard

At 19:26 16/12/2004 +0100, you wrote:
>Hi Richard,
>As you may have read, I've asked Jason to send you a copy and Bill to send
>me a copy.
>
>My counter board X54-1160-00 has five TD3490 back-to-back with five TD3475.
>Their PCB tracks indicate a chain.
>If so, they are IC7-11 counters and IC12-16 latches?. Just a guess on my
>part!
>My IC21 is one of only two TD3460 on the board.
>Should we rather be looking at either IC8 or IC10 as the suspect?
>This is pushing my envelope much better! Your guidance is invaluable.
>
>I note that the feed for the counter assy includes two coax (RF?) leads.
>Which two of the three frequencies get HETrodyned before the counter assy?
>I'll scope the two to see what's being sent.
>
>Cheers
>Dave
>
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[Non-text portions of this message have been removed]

3015. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 20:15:10 UTC
From: Dave & Loraine
Topic: 2974 Message: 3015

Hi Richard,
I have pulses on pin 14 and others on ICs 7 & 8 but not on ICs 9,10 or 11.
I'll check for output from IC8. If OK I'll check the track/soldering to IC 9
if that's the right direction.

Thanks
Dave

3016. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 20:37:33 UTC
From: Dave & Loraine
Topic: 2974 Message: 3016

R,
On ICs 6 & 7 I have pulses on those pins.
On IC 8, I have a pulse on pin 8 only. The other pins are flat-line.
No pulses on ICs 9, 10 or 11.
D

3017. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 20:51:43 UTC
From: Dave & Loraine
Topic: 2974 Message: 3017

R,
Sorry. Correction. Pins 1,12 & 14 on IC8 have a pulse.
D

3018. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 21:15:20 UTC
From: Dave & Loraine
Topic: 2974 Message: 3018

R,
I'm loosing it...
These are the certain facts!
IC7 has pulse activity on 14, 12 and 8. Nothing on 9 and 11.
Same for IC8.
ICs 9, 10 and 11 have none.

A thousand apologies for the bad info.

D

3019. help on uploading files

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 22:09:21 UTC
From: jason dembowski
Topic: 3019 Message: 3019

Hi all
Have tryed to upload files on this site and no luck,I run xp.
Can someone Help?
73s
KB1JHL

3020. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-16 23:48:47 UTC
From: Bill K0ZL
Topic: 2974 Message: 3020

Sorry, sure don't

b

--- Richard Harris <rjharris@...> wrote:

> Bill,
>
> ...
>
> Do you know the differences between the DG1 and the
> DG5?
>

=====

"If in doubt, MODIFY" --k0zl

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3021. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 00:37:00 UTC
From: n6ayj
Topic: 2974 Message: 3021

I would be willing to scan part of the TS-820 service manual and upload it to an FTP site, if desired. What part of the service manual is needed?

3022. Re: [TS-520_820_530_830] Re: "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 00:52:21 UTC
From: Bill K0ZL
Topic: 3001 Message: 3022

Antennas in the attic are surefire way to get some
fire in the shack, hi!

Whatever band(s) you are getting bit on, cut 1/4 wave
wires (33' on 40 and 16' on 20) and put them on the
ground screw of the rig. Start with one wire per band;
align it right angles to the antenna axis if you can.
that should reduce your RFI somewhat.

--- jimbart <jimb@...> wrote:

>
> Alpha-Delta DX4020 in the attic, on 40 & 20,
> feedline 50' RF9914F
> (probably about 20' too much) Usually run a little
> under full power.
>
> The DX4020 is cut for 20m with coils (not full
> traps) for 40. SWR on
> lower ends of bands (CW world, where you'll usually
> find me) less
> than 1.5:1
>
>
> --- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL
> <coorsbill@y...>
> wrote:
> > You have RF in the shack, common problem.
> >
> > What antenna you running? What band?
> >
> > bill
> >
> > --- jimbart <jimb@h...> wrote:
> >
> > >
> > > I thought I read somewhere about someone getting
> > > 'bitten' by the rig.
> > > Checking the database, it seems that problem
> isn't
> > > egg-zackly mine.
> > > Situation: TS830S; VOX = On; Mode = CW;
> 3-conductor
> > > line cord,
> > > grounded; key = Vibroplex "Original" bug, not
> keyer.

> > > Problem: If I try to adjust either CAR or RF
> Gain
> > > while keying, I get
> > > this hot little buzz in my finger ...
> > > Fix: The obvious is avoidance: don't adjust a
> metal
> > > knob while
> > > keying.
> > > But, this is a bit disconcerting & I'd like to
> > > consider remedy
> > > instead of avoidance.
> > > Inquirin' minds wanna know ...
> > > Thanks,
> > > Jim
> > > KE5CXX
> > >
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> > =====
> >
> > "If in doubt, MODIFY" --k0zl
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"If in doubt, MODIFY" --k0zl

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3023. Re: [TS-520_820_530_830] TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 02:02:55 UTC
From: peter A markavage
Topic: 3006 Message: 3023

My TS-830S drives a SSB Electronic LT-6S 6 meter transverter using the transverter output connection on the back of the 830S. No diddling with ALC voltages. It's plug and play. Just wire up a Din plug and plug it into the back of the 830. SG switch is put into the off position. What's the drive requirements of the Ten-Tec transverters?

Pete, wa2cwa

On Thu, 16 Dec 2004 17:51:28 -0000 "Bruce H. McIntosh" <scotsman@...> writes:

I've searched the group archive and not gotten any hits, so...

Anyone gone down the road of using those little hundred-dollar TenTec VHF transverters with a TS-830s? Success? Failure? And I guess this'd likely bring up the side question of the most effective means of reducing the power out on the 830. I've seen mention of monkeying with the ALC voltage to reduce drive without compromising ssb audio quality. I got to thinking, "wouldn't it be cool to convert that "Fixed oscillator" button that nobody seems to use into a "QRP" button that'd back the rig down to 5-10W out at the push of a switch?" Is this a reasonable course to pursue, or am I flat off my rocker?

[Non-text portions of this message have been removed]

3024. Re: [TS-520_820_530_830] "Hot" rigs ...

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 02:41:23 UTC
From: f x
Topic: 3001 Message: 3024

Hi jimbart...

How you fixed for a good earth ground? The effectiveness of such grounding will be related to the length of line between rig and ground... the shorter the better... I use 1" copper strap about 4' from rig to ground... and four 8' ground rods interconnected... Seems to me I remember that MFJ makes a little tuner (just a device to help create series resonance) that will let you "tune away" the RF that lingers... It even had a little meter that showed when max RF current was flowing... (desirable)... remember your theory... a 1/4 wavelength "antenna" has a very low impedance... that is the idea behind using wires trimmed to length... or just put in the little tuner and adjust the electrical lenth with knobs...

Also, it seems to me that the rig when keyed directly has some voltage (DC) across the contacts... hmmm... in that case, contact with the key and the case might give you a little tingle...

BTW I also run the TS-830, and love it to death... Bill worked mine over, and I get scads of power out of it... even with the bands dead, I am able to make consistent contacts... even ZS5 late last evening...

Also assume that you have CC&R issues for antennas... have you considered some "hidden" antennas using very thin wire... it becomes invisible from 30 feet away... and if it is ground fed, you can bury the feedline... (mine runs under a chicken wire ground screen) I use the mil surplus "flooded" stuff and it has been in or under the ground for two years now with no problems... any way there are lots of nifty antennas which work very well and are quite invisible... one of my favorites was the "flagpole" vertical... can be fiberglass with the various cut to length 1/4 wave sections inside, or can be made of metal, insulated by a coke bottle base (disguised) and fed at the base with a tuner... with a good ground system it is a great antenna...

Raleigh
NY0Y

jimbart <jimb@...> wrote:

I thought I read somewhere about someone getting 'bitten' by the rig.
Checking the database, it seems that problem isn't egg-zackly mine.
Situation: TS830S; VOX = On; Mode = CW; 3-conductor line cord,
grounded; key = Vibroplex "Original" bug, not keyer.
Problem: If I try to adjust either CAR or RF Gain while keying, I get
this hot little buzz in my finger ...
Fix: The obvious is avoidance: don't adjust a metal knob while
keying.
But, this is a bit disconcerting & I'd like to consider remedy
instead of avoidance.
Inquirin' minds wanna know ...
Thanks,
Jim

KE5CXX

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3025. Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 03:10:13 UTC
From: Larry Waisner
Topic: 3006 Message: 3025

Hello Bruce,
The ten-tec 1210 will only take 1 to 10 watts input, so you would
have to power down the 830. I have one that has less than two hours
use on it. Not very much 2 meter sideband use here in New Mexico.
100% 2 Meter FM here.
Actually I was going to post it on Ebay this weekend for sale.
Larry Waisner, KD5VXK(ag)

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage
<pmarkavage@j...> wrote:
> My TS-830S drives a SSB Electronic LT-6S 6 meter transverter using
the
> transverter output connection on the back of the 830S. No diddling
with
> ALC voltages. It's plug and play. Just wire up a Din plug and plug
it
> into the back of the 830. SG switch is put into the off position.
What's
> the drive requirements of the Ten-Tec transverters?
>
> Pete, wa2cwa
>
> On Thu, 16 Dec 2004 17:51:28 -0000 "Bruce H. McIntosh"
<scotsman@a...>
> writes:
>
> I've searched the group archive and not gotten any hits, so...
>
> Anyone gone down the road of using those little hundred-dollar
TenTec
> VHF transverters with a TS-830s? Success? Failure? And I guess
> this'd likely bring up the side question of the most effective means
> of reducing the power out on the 830. I've seen mention of
monkeying
> with the ALC voltage to reduce drive without compromising ssb audio
> quality. I got to thinking, "wouldn't it be cool to convert that
> "Fixed oscillator" button that nobody seems to use into a "QRP"
button
> that'd back the rig down to 5-10W out at the push of a switch?" Is
> this a reasonable course to pursue, or am I flat off my rocker?
>
> [Non-text portions of this message have been removed]

3026. Kenwood TS-520_820_530_830 DG-5 Repair info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 03:27:13 UTC
From: james27613
Topic: 3026 Message: 3026

Hi,

Found this today, hope it helps !

http://www.radiomods.co.nz/kenwood/kenwooddg5.html

73 James ke4drn

happy holiday and lots of qso in the new year !

3027. Re: Kenwood TS-520_820_530_830 DG-5 Repair info

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 03:43:18 UTC
From: gerald8078
Topic: 3026 Message: 3027

See also: http://www.radiomods.co.nz/kenwood/kenwooddg1.html

--- In TS-520_820_530_830@yahoogroups.com, "james27613" <james27613@a.
..> wrote:
>
> Hi,
>
> Found this today, hope it helps !
>
> http://www.radiomods.co.nz/kenwood/kenwooddg5.html
>
>
>
> 73 James ke4drn
>
> happy holiday and lots of qso in the new year !

3028. Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 03:54:43 UTC
From: james27613
Topic: 3006 Message: 3028

Hi,

I put the alc circuit in a tiny plastic case with a bat switch on top
and the 9v battery is cable tied to it. This gets velcro to the back
of the radio. If I want to use it I just flip the switch and verify
I am at low power.

I like your idea for a QRP switch, you could even use one of the
spare holes on the back of the radio for the qrp switch.

You can change the R5 resistor in the tentec 1208 to 4.7K and it can
take 10 watts input but not for FM modes or key down high duty cycles.

I did this so I can use it with my ts-50.

Lots of tentec transverters on ebay, eham, qth or available new.

73 james ke4drn

3029. Re: [TS-520_820_530_830] Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 07:33:49 UTC
From: peter A markavage
Topic: 3006 Message: 3029

Why would you have power it down? Why not just connect it to the transverter jack on the 830? The finals are not part of the equation. What am I missing here after doing it this way for the last 15 years? The transverter connection information is on page 18 of the operating manual including diagrams.

Pete, wa2cwa

On Fri, 17 Dec 2004 03:10:13 -0000 "Larry Waisner" <larimo@...> writes:

Hello Bruce,
The ten-tec 1210 will only take 1 to 10 watts input, so you would have to power down the 830. I have one that has less than two hours use on it. Not very much 2 meter sideband use here in New Mexico. 100% 2 Meter FM here.
Actually I was going to post it on Ebay this weekend for sale.
Larry Waisner, KD5VXK(ag)

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> My TS-830S drives a SSB Electronic LT-6S 6 meter transverter using the
> transverter output connection on the back of the 830S. No diddling with
> ALC voltages. It's plug and play. Just wire up a Din plug and plug it
> into the back of the 830. SG switch is put into the off position. What's
> the drive requirements of the Ten-Tec transverters?
>
> Pete, wa2cwa
>
> On Thu, 16 Dec 2004 17:51:28 -0000 "Bruce H. McIntosh" <scotsman@a...>
> writes:
>
> I've searched the group archive and not gotten any hits, so...
>
> Anyone gone down the road of using those little hundred-dollar TenTec
> VHF transverters with a TS-830s? Success? Failure? And I guess
> this'd likely bring up the side question of the most effective means
> of reducing the power out on the 830. I've seen mention of monkeying

> with the ALC voltage to reduce drive without compromising ssb audio
> quality. I got to thinking, "wouldn't it be cool to convert that
> "Fixed oscillator" button that nobody seems to use into a "QRP"
button
> that'd back the rig down to 5-10W out at the push of a switch?" Is
> this a reasonable course to pursue, or am I flat off my rocker?
>
> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3030. Re: [TS-520_820_530_830] help on uploading files

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 14:26:20 UTC
From: Bill K0ZL
Topic: 3019 Message: 3030

What message are you getting?

bill

--- jason dembowski <umohockey@...> wrote:

>
> Hi all
> Have tryed to upload files on this site and no
> luck,I run xp.
> Can someone Help?
> 73s
> KB1JHL
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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Send holiday email and support a worthy cause. Do good.
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3031. Hot Rigs (Sounds like a Rod Stewart song, no?)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 14:48:36 UTC
From: jimbart
Topic: 3031 Message: 3031

Thanks to Bill, Bill & Raleigh for comments & suggestions.

I'm still working out the layout & grounding scheme of the shack and so will be sure to do what I can about RF grounding. It's an issue I've not addressed seriously as yet, but obviously need to.

Echoing Raleigh's remarks, running the TS830S is a real joy: Just enough tube presence to remind me of my younger daze, plenty of power and a business-like look, sound and feel. The attic antenna, though up less than 20 feet, does a much better job than I expected. Been on the air since late November and so far have worked 26 states, but only two DX - Cuba & Azores - (all CW).

There aren't any CCR's to deal with (but I do have a wife) so I'm not bound to a stealthy antenna farm, but have chosen to start there. Been thinking about the flagpole idea for a while, because that (flagpole) figures into our landscaping plans for the near future.

I do enjoy and appreciate the chance to be here & thank everyone for their willingness to discuss our hobby (and help me overcome my ignorance!)

73,
Jim
KE5CXX

3032. Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 15:18:43 UTC
From: james27613
Topic: 3006 Message: 3032

Hi Pete,

The ten tec transverters do not have seperate input/output, they share a common connection.

Optional external attenuator and T-R relay connections could be used but that is beyond the scope of the kit.

The transverters can work with less then 1 watt drive, just have to swap out R5 per manual for the 1208 page 28

drive R5 value

.25w 820
.5 1200
1.0 1500
2.5 2700
5.0 3300 (default)
8.0 3900
10.0 4700 * (short cw or ssb only not for FM or high duty)

73 james ke4drn

3033. Re: help on uploading files

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 15:45:21 UTC
From: jason dembowski
Topic: 3019 Message: 3033

I'm sorry the file is just to dam big.
73s for now
kb1jhl

In TS-520_820_530_830@yahoogroups.com, "jason dembowski"
<umohockey@y...> wrote:
>
> Hi all
> Have tryed to upload files on this site and no luck,I run xp.
> Can someone Help?
> 73s
> KB1JHL

3034. Re: [TS-520_820_530_830] TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 16:41:25 UTC
From: Eric Webner
Topic: 3006 Message: 3034

I think your creative thinking is great! I did a mod on my TS-520 years ago that uses the FIXED CHANNEL switch to switch in and out the 250 Hz cw filter. Maybe Kenwood should have labelled that switch as "SPARE FOR WHATEVER YOU WANT TO USE IT FOR."

73,

Eric KA8FAN

"Bruce H. McIntosh" <scotsman@...> wrote:

I've searched the group archive and not gotten any hits, so...

Anyone gone down the road of using those little hundred-dollar TenTec VHF transverters with a TS-830s? Success? Failure? And I guess this'd likely bring up the side question of the most effective means of reducing the power out on the 830. I've seen mention of monkeying with the ALC voltage to reduce drive without compromising ssb audio quality. I got to thinking, "wouldn't it be cool to convert that "Fixed oscillator" button that nobody seems to use into a "QRP" button that'd back the rig down to 5-10W out at the push of a switch?" Is this a reasonable course to pursue, or am I flat off my rocker?

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[Non-text portions of this message have been removed]

3035. Re: [TS-520_820_530_830] Digest Number 592

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 17:11:22 UTC
From: Bruce H. McIntosh
Topic: 3035 Message: 3035

> Message: 2
> From: peter A markavage <pmarkavage@...>

> Message: 4
> From: "Larry Waisner" <larimo@...>

> Message: 7
> From: "james27613" <james27613@...>

Thanks to Peter, Larry and James for the responses. If I'd looked closely enough at the manual I'd have noticed the transverter connector on the back panel. :-) I've got the TenTec units on my "wish list" for our family Christmas gift pool; if I don't get lucky I'll likely be in the market for one.
--

Bruce H. McIntosh scotsman@... www.afn.org/~scotsman WA4UF

Network geek with a strong affinity for Telecasters

3036. Re: [TS-520_820_530_830] Hot Rigs (Sounds like a Rod Stewart song, no?)

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 17:29:45 UTC
From: Eric Webner
Topic: 3031 Message: 3036

Hi Jim,

I'd start with a good ground. I'm assuming you were just using the ground pin on your power cord. There is a lot of good info on grounds, like the ARRL Handbook or Antenna Book. Generally, short, thick conductors less than 1/4 wavelength of the highest band you work. Anything 1/2 wavelength will not work well.

I live in a house with CCRs and a picky wife. My stealthy antenna goes across the top of the attic and outside. No hot rig with a good, short ground. If you do have problems after that, then a 1/4 wave counterpoise is a good idea (although you have more wire to hide from the wife!). The MFJ counterpoise tuner is a good choice, too.

The flagpole antenna is a good way to hide an antenna. In the early stages of your landscaping, get your ground radials buried. Then you can run your cable and install the antenna. Ought to make a good DX antenna.

73,

Eric KA8FAN

jimbart <jimb@...> wrote:

Thanks to Bill, Bill & Raleigh for comments & suggestions.

I'm still working out the layout & grounding scheme of the shack and
so will be sure to do what I can about RF grounding. It's an issue
I've not addressed seriously as yet, but obviously need to.

Echoing Raleigh's remarks, running the TS830S is a real joy: Just
enough tube presence to remind me of my younger daze, plenty of power
and a business-like look, sound and feel. The attic antenna, though
up less than 20 feet, does a much better job than I expected. Been on
the air since late November and so far have worked 26 states, but
only two DX - Cuba & Azores - (all CW).

There aren't any CCR's to deal with (but I do have a wife) so I'm not
bound to a stealthy antenna farm, but have chosen to start there.
Been thinking about the flagpole idea for a while, because that
(flagpole) figures into our landscaping plans for the near future.

I do enjoy and appreciate the chance to be here & thank everyone for
their willingness to discuss our hobby (and help me overcome my
ignorance!)

73,
Jim

KE5CXX

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[Non-text portions of this message have been removed]

3037. Re: [TS-520_820_530_830] Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 17:44:09 UTC
From: peter A markavage
Topic: 3006 Message: 3037

830 transverter output is around .5 to .75 watts. Receive and transmit(drive to the transverter)connections are available on the transverter jack. Diddling with the regular 830 output jack, 6146's running, diddling with ALC voltages to drop the power all the way down to 10 watts or less to drive a transverter can be dangerous to the transverter. ALC voltage creepage, failure of your power reduction circuitry(whatever it is), having to dip and load to keep the 6146's in resonance, is the hard, hard way to do it. But whatever toots your horn.

Pete, wa2cwa

On Fri, 17 Dec 2004 15:18:43 -0000 "james27613" <james27613@...> writes:

Hi Pete,

The ten tec transverters do not have seperate input/output, they share a common connection.

Optional external attenuator and T-R relay connections could be used but that is beyond the scope of the kit.

The transverters can work with less then 1 watt drive, just have to swap out R5 per manual for the 1208 page 28

drive R5 value

.25w 820
.5 1200
1.0 1500
2.5 2700
5.0 3300 (default)
8.0 3900
10.0 4700 * (short cw or ssb only not for FM or high duty)

73 james ke4drn

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3038. Re: [TS-520_820_530_830] Re: fearing the worst - MORE INFO

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-17 23:13:55 UTC
From: Bill K0ZL
Topic: 2816 Message: 3038

Thanks Tibi for the post; welcome to the group and
thank you also for the link.

As for internet vs. actual radio; no contest! (bad
pun, I know).

Internet chats don't count toward DXCC.

bill

--- "Tibor (Tibi) Zentai" <ha2mn@...> wrote:

>
> Hi All,
>
> Thanks to Bill for the approval to let me be a
> member of this list. The pleasure is mine to join
> the group.
>
> Though I know it is not the topic of the list I have
> also a vintage 2 meter FM radio manufactured by
> Clegg Communications Company, a Clegg FM-28 which is
> about ten years older than my TS-530SP. Both radios
> are in regular daily use.
>
> When I was much younger I was a homebrewer designing
> and constructing my own cw/ssb rig. Later on I used
> military surplus QRP cw as well as 29 MHz FM
> transceivers. Believe it or not I could take out the
> best of those rigs, much, much more than designers
> specified and the original users had ever been able
> to. This objective has not changed in using the
> TS-530 SP that I have since last March.
>
> Nowadays, I hate to remove the case of my equipment.
> I am no longer wondering how it looks like inside,
> how it works, etc. But alas, devil of electronics
> cannot be sent back to its shelter so if something
> is going wrong who is gonna take care of your rig if
> not you?
>
> By the way, I am able to operate digi modes with the
> TS-530SP as well. Though my friends said me to give
> digi operation up for I can operate traditional
> modes that are considered to be a true way of
> showing the human capability against showing the

> capability of a computer (I won't fully do it
> really). This situation leads to the debate of code
> vs no code. Well, I understand the problems of the
> hobby but I am convinced that the code (beside many
> advantages) is an international language to bridge a
> kind of gap among different not English speaking
> cultures.
>
> Why am I making QSOs instead of using internet
> facilities? 'Cause ham radio operation is still a
> challenge against nature. 'Cause it means to owe to
> a specially trained, closed and a specially friendly
> society with common interest called ham radio
> service officially.
>
> My friend Gabriel, WH6CVI mentioned a few weeks ago
> that there is a special list dealing with old
> Kenwood radios and he suggested that I should have
> join it. Thank you, I can now be here. Should I be
> the first Hungarian list member it is a special
> pleasure of mine.
>
> I think that's all for a short introduction now.
>
> As a quick help for the TS-520 issue, service
> manuals can be downloaded:
>
>
http://www.dsgnet.hu/nightwish/work/TS-520-520SE_Service_manuals.zip
>
> Hope to change a signal riport with most of you
> during the CQ WW DX CW contest.
>
> 73, dx de Tibi, HA2MN
>
> Member of SPAR Rag Chewer's Club No. 75 in CW and
> Phone.
> http://www.spar-hams.org
>
>
>
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>
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>

=====

"If in doubt, MODIFY" --k0zl

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3039. Re: help on uploading files

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 00:13:46 UTC
From: james27613
Topic: 3019 Message: 3039

hi jason,

Can you try to zip this file or if you can rescan it using 200 dpi
resolution. For display or inkjet printers, that is just fine.

Or you can export it with the scan program to smaller size.

73 james

> ---
> I'm sorry the file is just to big.
> 73s for now

3040. Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 06:02:35 UTC
From: Larry Waisner
Topic: 3006 Message: 3040

Hi Pete,
The Ten-Tec 6 & 2 Transverters have two SO-239 connectors, in/out.
I suppose you could convert them for rca connectors.
Larry KD5VXK/ag

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage
<pmarkavage@j...> wrote:
> 830 transverter output is around .5 to .75 watts. Receive and
> transmit(drive to the transverter)connections are available on the
> transverter jack. Diddling with the regular 830 output jack, 6146's
> running, diddling with ALC voltages to drop the power all the way
down to
> 10 watts or less to drive a transverter can be dangerous to the
> transverter. ALC voltage creepage, failure of your power reduction
> circuitry(whatever it is), having to dip and load to keep the
6146's in
> resonance, is the hard, hard way to do it. But whatever toots your
horn.
>
> Pete, wa2cwa
>
>
> On Fri, 17 Dec 2004 15:18:43 -0000 "james27613" <james27613@a...>
> writes:
>
> Hi Pete,
>
> The ten tec transverters do not have seperate input/output, they
> share a common connection.
>
> Optional external attenuator and T-R relay connections could be
> used but that is beyond the scope of the kit.
>
> The transverters can work with less then 1 watt drive, just
> have to swap out R5 per manual for the 1208 page 28
>
> drive R5 value
>
> .25w 820
> .5 1200
> 1.0 1500
> 2.5 2700
> 5.0 3300 (default)
> 8.0 3900
> 10.0 4700 * (short cw or ssb only not for FM or high duty)

>
> 73 james ke4drn
>
>
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> [Non-text portions of this message have been removed]

3041. TS-830S info on the internet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 07:02:54 UTC
From: Bruce Wright
Topic: 3041 Message: 3041

Dear Fellow List Members...

I've been a member for about 3 weeks so if this information has been posted before or is generally known by the members of this list, then please excuse this posting.

A rather resourceful collection of reference pages about operating, maintaining and repairing the TS-830S has been assembled into a file (you get to choose either MS Word or PDF) for downloading at the following URL:

http://www.geocities.com/om6523/

The information may be helpful to those who already own and/or operate an 830 or to someone considering the acquisiton of one.

73,
Bruce
WC5CW

3042. Re: [TS-520_820_530_830] Re: TS-830s with TenTec 6 and 2 meter transverters

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 07:24:02 UTC
From: peter A markavage
Topic: 3006 Message: 3042

Why would you want to convert them to RCA connectors?? I don't see the point.

Pete, wa2cwa

On Sat, 18 Dec 2004 06:02:35 -0000 "Larry Waisner" <larimo@...> writes:

Hi Pete,
The Ten-Tec 6 & 2 Transverters have two SO-239 connectors, in/out.
I suppose you could convert them for rca connectors.
Larry KD5VXK/ag

--- In TS-520_820_530_830@yahoogroups.com, peter A markavage <pmarkavage@j...> wrote:
> 830 transverter output is around .5 to .75 watts. Receive and
> transmit(drive to the transverter)connections are available on the
> transverter jack. Diddling with the regular 830 output jack, 6146's
> running, diddling with ALC voltages to drop the power all the way down to
> 10 watts or less to drive a transverter can be dangerous to the
> transverter. ALC voltage creepage, failure of your power reduction
> circuitry(whatever it is), having to dip and load to keep the 6146's in
> resonance, is the hard, hard way to do it. But whatever toots your horn.
>
> Pete, wa2cwa
>
>
> On Fri, 17 Dec 2004 15:18:43 -0000 "james27613" <james27613@a...>
> writes:
>
> Hi Pete,
>
> The ten tec transverters do not have seperate input/output, they
> share a common connection.
>
> Optional external attenuator and T-R relay connections could be
> used but that is beyond the scope of the kit.
>
> The transverters can work with less then 1 watt drive, just
> have to swap out R5 per manual for the 1208 page 28
>
> drive R5 value

>
> .25w 820
> .5 1200
> 1.0 1500
> 2.5 2700
> 5.0 3300 (default)
> 8.0 3900
> 10.0 4700 * (short cw or ssb only not for FM or high duty)
>
> 73 james ke4drn
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>
> Yahoo! Groups Links
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> To visit your group on the web, go to:
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> [Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3043. Re: [TS-520_820_530_830] TS-830S info on the internet

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 15:09:25 UTC
From: Alan Wolke
Topic: 3041 Message: 3043

That is a collection of very good information. You'll also find that this information, along with the owners and service manuals are also in files section of this group.

73,
Alan W2AEW

Bruce Wright wrote:

> Dear Fellow List Members...
>
> I've been a member for about 3 weeks so if this information has been
> posted before or is generally known by the members of this list,
> then please excuse this posting.
>
> A rather resourceful collection of reference pages about operating,
> maintaining and repairing the TS-830S has been assembled into a file
> (you get to choose either MS Word or PDF) for downloading at the
> following URL:
>
> http://www.geocities.com/om6523/
>
> The information may be helpful to those who already own and/or
> operate an 830 or to someone considering the acquisiton of one.
>
> 73,
> Bruce
> WC5CW
>

3044. TS-830 No Receive Audio Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 16:08:18 UTC
From: Nazario C. Culanag Jr.
Topic: 3044 Message: 3044

Hi All,

I encountered recently a TS-830 without any receive audio and suspected the audio amplifier IC HA-1368R. Unfortunately, this is quite hard to find at present. What arrived instead when I ordered one is HA-1368 (without R). According to specs, this is a mirror of the HA-1368R. I installed it reverse (aluminium side is away from the heatsink so pin 1 of the audio ic is on pin 10 of the board) and put thermal grease on the platic side instead and it works. Just in case anyone encounter this problem, you know it has been tried and it works.

Jun (DU1QZC)

3045. Re: [TS-520_820_530_830] TS-830 No Receive Audio Problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 16:31:31 UTC
From: Bill K0ZL
Topic: 3044 Message: 3045

thanks for that, Jun!

73,

Bill K0ZL

--- "Nazario C. Culanag Jr." <du1qzc@...> wrote:

>
> Hi All,
>
> I encountered recently a TS-830 without any receive
> audio and
> suspected the audio amplifier IC HA-1368R.
> Unfortunately, this is
> quite hard to find at present. What arrived instead
> when I ordered
> one is HA-1368 (without R). According to specs, this
> is a mirror of
> the HA-1368R. I installed it reverse (aluminium side
> is away from
> the heatsink so pin 1 of the audio ic is on pin 10
> of the board) and
> put thermal grease on the platic side instead and it
> works. Just in
> case anyone encounter this problem, you know it has
> been tried and
> it works.
>
> Jun (DU1QZC)
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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Yahoo! Mail - Easier than ever with enhanced search. Learn more.
http://info.mail.yahoo.com/mail_250

3046. Re: [TS-520_820_530_830] re:ten tec transverters 2/6 meter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-18 19:45:05 UTC
From: james27613@att.net
Topic: 3046 Message: 3046

hi,

The 1208 6m transverter has three connections on back,
6m ant, hf ant and transceiver.

The unit has pin diode rf switching so use is automatic
as long as unit is driven with 5 watts (stock unit).

There are no seperate input/output connections for transverter
in/out that you find on more expensive transverters.

It could be possible to modify the transverter for this use,
it is beyond the scope of the kits for these mods, we are on
our own.

I agree with Pete that it is easy to damage the transverter
if the drive power is too high.

The 'qrp circuit' in the files section uses a 9 volt battery,
lasts a long time.

From time to time, you can find the kenwood tv-502 2m and the
tv-506 6m transveters for sale, be sure to get the connection
cable to make using them easier.

73 james ke4drn

3047. RE- TS-820S and Old amps

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-19 01:03:59 UTC
From: Tim Kass
Topic: 3026 Message: 3047

Hello group,

I'd like to use my old Hunter Bandit 2000C with the TS-820S, I don't have a manual on the rig so not sure if it can handle the switching current, the amp is very similar to a Heath SB-220 if most of you don't know what a Hunter 2000C is, runs a pair of 3-400Z (8163's)...any one know if the rig can switch it ok without burning up a relay, other wise Ill need the pin out on the accessory socket to find which one switches on the 12VDC on transmit and use that to switch a relay. The amp uses the typical gounding connection to key the internal relay in the amp.

Thanks in advance,

73, Tim
K8WBL

3048. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-19 13:27:46 UTC
From: Dave & Loraine
Topic: 2974 Message: 3048

Hi Richard and the group,
A new week and a clear head. I was tired and making mistakes as we closed last week.
Please ignore my previous results.

I have pulses as follows:
IC7 Pins 8, 9, 11, 12, 14.
IC8 Pins 9, 11, 12, 14. Nothing on 8.
IC9 - IC11 Nothing.
Looks like IC8 is the culprit if it follows IC7 and leads IC9 in the chain.
Do you have the pinout for my IC TD3400AP? (7400?)
Should I look for a generic 7400? You mentioned that the pinouts may be different.

Cheers
Dave

3049. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-19 19:12:03 UTC
From: Dave & Loraine
Topic: 2974 Message: 3049

Hi Bill,
Is it possible to email me just the pages on the counter assembly
X60-1020-00?
If it can be split and the pages are few it shouldn't be too big.
My email is dave.crooks@...
Thanks
Dave

3050. T S 520 SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-19 23:22:50 UTC
From: budgiebob2000
Topic: 3050 Message: 3050

new to hf ham for 35 years need advice on two items

I obtained the seperate V F O and tested all ok BUT there appears to be slight degredation on SSB signal quality when comparing inbuilt and seperate v f o s The best description is Slight warble or hum on seperate unit.

I also obtained 2 meter transverter The snag with this is that the SE model on inspection does not have the 12 way skt on rear. I have lead original Do I have any way off connecting OPTIONS? Regards best wishes from G8ACQ to all for the festive season all ideas appreciated BOB

3051. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 09:19:12 UTC
From: Richard Harris
Topic: 2974 Message: 3051

Dave,

A group member kindly sent me an electronic copy of the Operating Manual for the TS820S. One thing I didn't know was that the original TS-820 (which I assume you have) requires the DG1A as an option to give a digital display whereas the later TS-820S has the internal digital frequency display fitted.

Now, I assumed that the DG1 that you have was a separate unit that connected into the rear of the transceiver (as does the DG-5, the subject of earlier e-mails). I believe that the TS-520 digital display is also external. However, reading the Op Manual it occurs to me that the DG1 may be an accessory that is fitted internally in your rig. Is this so?

The TS-820S display has two PCBs. The Counter Unit is part X54-1160-00 and the Counter Mix Unit is X54-1150-00. So it looks like the DG1 has the same PCBs (if it is a separate unit) that were later fitted as standard to the '820S. The Op Manual has schematics for these two PCBs although detail has been lost in the scanning.

So I have schematics which will be a great help. I will reply to your e-mails that I know are in my In-box this evening.

Richard G3OTK

At 19:26 16/12/2004 +0100, you wrote:
>Hi Richard,
>As you may have read, I've asked Jason to send you a copy and Bill to send
>me a copy.
>
>My counter board X54-1160-00 has five TD3490 back-to-back with five TD3475.
>Their PCB tracks indicate a chain.
>If so, they are IC7-11 counters and IC12-16 latches?. Just a guess on my
>part!
>My IC21 is one of only two TD3460 on the board.
>Should we rather be looking at either IC8 or IC10 as the suspect?
>This is pushing my envelope much better! Your guidance is invaluable.
>
>I note that the feed for the counter assy includes two coax (RF?) leads.
>Which two of the three frequencies get HETrodyned before the counter assy?
>I'll scope the two to see what's being sent.
>
>Cheers
>Dave
>
>

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3052. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 10:57:45 UTC
From: Walt Breining
Topic: 2974 Message: 3052

The original TS 820 was sold without a internal counter supplied but the DG-1 was a kit option that was made to be fitted inside the TS-820 making it a TS-820 S. Exactly the same as the counter assembly supplied in the TS 820 S.

Walt N9WB
----- Original Message -----
From: Richard Harris
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, December 20, 2004 4:19 AM
Subject: Re: [TS-520_820_530_830] Unusual display problem with 820s

Dave,

A group member kindly sent me an electronic copy of the Operating Manual for the TS820S. One thing I didn't know was that the original TS-820 (which I assume you have) requires the DG1A as an option to give a digital display whereas the later TS-820S has the internal digital frequency display fitted.

Now, I assumed that the DG1 that you have was a separate unit that connected into the rear of the transceiver (as does the DG-5, the subject of earlier e-mails). I believe that the TS-520 digital display is also external. However, reading the Op Manual it occurs to me that the DG1 may be an accessory that is fitted internally in your rig. Is this so?

The TS-820S display has two PCBs. The Counter Unit is part X54-1160-00 and the Counter Mix Unit is X54-1150-00. So it looks like the DG1 has the same PCBs (if it is a separate unit) that were later fitted as standard to the '820S. The Op Manual has schematics for these two PCBs although detail has been lost in the scanning.

So I have schematics which will be a great help. I will reply to your e-mails that I know are in my In-box this evening.

Richard G3OTK

At 19:26 16/12/2004 +0100, you wrote:
>Hi Richard,
>As you may have read, I've asked Jason to send you a copy and Bill to send
>me a copy.
>
>My counter board X54-1160-00 has five TD3490 back-to-back with five TD3475.
>Their PCB tracks indicate a chain.
>If so, they are IC7-11 counters and IC12-16 latches?. Just a guess on my
>part!
>My IC21 is one of only two TD3460 on the board.
>Should we rather be looking at either IC8 or IC10 as the suspect?

>This is pushing my envelope much better! Your guidance is invaluable.
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>I note that the feed for the counter assy includes two coax (RF?) leads.
>Which two of the three frequencies get HETrodyned before the counter assy?
>I'll scope the two to see what's being sent.
>
>Cheers
>Dave
>
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3053. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 11:48:32 UTC
From: Dave & Loraine
Topic: 2974 Message: 3053

Hi Richard,

Nice to have you back!
My rig is 820S.
Good news on the schematic.
My Sunday email was the only relevant one regarding my test results.

Cheers
Dave

3054. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 13:44:58 UTC
From: Richard Harris
Topic: 2974 Message: 3054

Hi Dave,

You've been doing some good work over the weekend. The measurements that you made tally with the observations that you made in your original e-mail. I expected that the QA (pin 12) and QB (pin 9) bits were counting but not QC (pin 8) or QD (pin 11) - could you re-check IC8 pin 11? This is connected to IC9 pin 14 and, as well as being the QD bit, it is also the "carry" onto the next stage.

Based on your e-mail, it looks like IC8 may be faulty, although it is worth bearing in mind that the QC output may be being held fixed by a faulty IC13 (TD3075AP = 7475) (pin 6). Is IC8 pin 8 at 5V or 0V (or some other voltage)? If IC8 pin 11 is counting then a faulty IC13 is the most likely cause..

As you have noted, IC8 is type TD3490AP and I believe that this is the same as the generic 7490A.

Texas Instruments's web site says the 7490 is obsolete but it is available - I think that Fairchild and possibly other companies still makes it. There is also an LS version available which I believe would work just as well. I have found an LS version of both the 7490 and the 7475 from a distributor in the UK who will deal with individuals as well as companies. Big bucks - about equivalent of US$0.60 each, one-off quantities! If you have problems getting hold of these parts then I can get them for you. I will investigate other sources of the standard part.

If there is sufficient height available, then I would recommend putting in a socket for both IC8 and IC13 - preferably turned-pin types for reliability. Is the board through plated, or even single sided copper tracks? I recommend "Solderwick" for removing the solder - this will be very easy if the PCB is not through-plated - it may not be, being 20 year old.

The pin out for the 7400 (Quad 2-input NAND gate) is
Gate 1 - Inputs 1 & 2 output 3
Gate 2 - Inputs 4 & 5 output 6
Gate 3 - Inputs 13 & 12, output 11
Gate 4 - Inputs 10 & 9 output 8
Pin 14 is +5V and pin 7 is 0V

Richard G3OTK

At 14:27 19/12/2004 +0100, you wrote:
>Hi Richard and the group,
>A new week and a clear head. I was tired and making mistakes as we closed
>last week.
>Please ignore my previous results.

>
>I have pulses as follows:
>IC7 Pins 8, 9, 11, 12, 14.
>IC8 Pins 9, 11, 12, 14. Nothing on 8.
>IC9 - IC11 Nothing.
>Looks like IC8 is the culprit if it follows IC7 and leads IC9 in the chain.
>Do you have the pinout for my IC TD3400AP? (7400?)
>Should I look for a generic 7400? You mentioned that the pinouts may be
>different.
>
>Cheers
>Dave
>
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3055. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 14:28:52 UTC
From: Richard Harris
Topic: 2974 Message: 3055

Thanks for the offer.

The schematics for the Counter Unit, part X54-1160-00 and the Counter Mix Unit, part X54-1150-00.

I think that we are getting to the bottom of the problem, but good schematics would be a great help.

73s

Richard G3OTK

At 00:37 17/12/2004 +0000, you wrote:

>I would be willing to scan part of the TS-820 service manual and
>upload it to an FTP site, if desired. What part of the service manual
>is needed?
>
>
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3056. Re: T S 520 SE

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 15:18:24 UTC
From: Brent Baum
Topic: 3050 Message: 3056

Bob,
I also have a TS-520SE that I'm working on connecting to a TV-506, 6 meter transverter. You may want to look up my previous posts on this subject. This is a good news/bad news situation. The good news is that Kenwood used the same PC boards for the SE as they did for the S and plain vanilla 520, so the pin outs for the transverter connections are available. The bad news is you need to dive inside the radio and make some modifications to the wiring at the T/R relay and interrupt the wiring to other circuits to get all the other connections correct. You will also need to create several connections for the transverter, and drill or cut appropriate holes in the back of the cabinet. The OE style Hirose 12 pin connectors are as rare as hen's teeth, after months of searching I can't find a supplier. You may want to swap out for a more common molex type connector. Over all, good luck with your conversion. Please keep us up to date with your progress.

Brent
K7MEI

--- In TS-520_820_530_830@yahoogroups.com, "budgiebob2000" <budgiebob@w...> wrote:
>
> new to hf ham for 35 years need advice on two items
>
> I obtained the seperate V F O and tested all ok BUT there appears
> to be slight degredation on SSB signal quality when comparing
> inbuilt and seperate v f o s The best description is Slight warble
> or hum on seperate unit.
>
> I also obtained 2 meter transverter The snag with this is that the
> SE model on inspection does not have the 12 way skt on rear. I have
> lead original Do I have any way off connecting OPTIONS? Regards
> best wishes from G8ACQ to all for the festive season all ideas
> appreciated BOB

3057. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 16:55:18 UTC
From: Richard Harris
Topic: 2974 Message: 3057

Dave,

I've just seen your later posting which answers one of my questions ref
activity (or lack of it) on IC8 pin 11.

The smart money is on IC8 being faulty. Do you have access to any suitable
suppliers/distributors of 7490A or possibly 74LS90?

Richard

At 22:15 16/12/2004 +0100, you wrote:
>R,
>I'm loosing it...
>These are the certain facts!
>IC7 has pulse activity on 14, 12 and 8. Nothing on 9 and 11.
>Same for IC8.
>ICs 9, 10 and 11 have none.
>
>A thousand apologies for the bad info.
>
>D
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3058. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 18:51:14 UTC
From: Dave & Loraine
Topic: 2974 Message: 3058

Thanks Richard.

4V hf pulses as follows:
IC7 pin8 50kHz pin11 50kHz pin14 500kHz
IC8 pin8 50kHz pin11 zero pin 14 50kHz
IC9 pin8 zero pin11 zero pin 14 zero

The IC holes look through plated.

Presumably, the low frequency squarish-waves are timing pulses and the high frequency are counter pulses.

Cheers
Dave

3059. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 19:44:19 UTC
From: Dave & Loraine
Topic: 2974 Message: 3059

R
My ICs 7 - 11 are TD3490BP not AR as I previously indicated.
I found 5V on pin5 on all.
Different pinout?
D

3060. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 20:09:27 UTC
From: Richard Harris
Topic: 2974 Message: 3060

Dave,

IC7 looks OK (I don't know what the frequencies should be, but at least it is clocking). The input clock is pin 14 and so the frequency of the carry from pin 11 should be 1/10 of this, which it is. The input clock to IC8 pin 14 will, of course be 50kHz since it is fed from IC7. The 7490 is unusual in that it is a divide-by-2 followed by a divide-by-5. So the output of the divide-by-2 should be 25kHz (pin 12). This is connected to the input of the divide-by-5 (pin 1) and if the counter was working OK you should see activity on pins 9, 8 and 11 (QB, QC and QD), with pin 11 being at 5kHz. Did you mis-count on the pins of IC8 - I expect activity on pin 9 but not on pin 8 based on your original e-mail. I don't think it matters the most probable fault is IC8 with IC13 my second choice.

Richard

At 19:51 20/12/2004 +0100, you wrote:
>Thanks Richard.
>
>4V hf pulses as follows:
>IC7 pin8 50kHz pin11 50kHz pin14 500kHz
>IC8 pin8 50kHz pin11 zero pin 14 50kHz
>IC9 pin8 zero pin11 zero pin 14 zero
>
>
>The IC holes look through plated.
>
>Presumably, the low frequency squarish-waves are timing pulses and the high
>frequency are counter pulses.
>
>Cheers
>Dave
>
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[Non-text portions of this message have been removed]

3061. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 20:24:32 UTC
From: Richard Harris
Topic: 2974 Message: 3061

Dave,

I would expect to see +5V on pin 5 of IC7 to IC11. The 7490 is an odd-ball with +5 on pin 5 and 0V on pin 10. Incidentally, the 4-bit latches (e.g. IC13) have an odd-ball pin out as well, but not quite the same because they are 16 pin devices. +5V on pin 5 and 0V on pin 12. I think that these were early TTL designs before TI standardised on the corner pins for the supply.

I don't think there is any need to be concerned about the end of the part number. The P probably is the package type and the B is probably an update that went into the mask set at some point. All the info to hand, pin numbers on the circuit, etc, point to it being the same as the 7490.

I think the original part may be by Toshiba. Can you see any name or logo?

Have you ever removed ICs from plated through boards? I forgot to ask if you are involved in electronics professionally.

Richard

At 20:44 20/12/2004 +0100, you wrote:
>R
>My ICs 7 - 11 are TD3490BP not AR as I previously indicated.
>I found 5V on pin5 on all.
>Different pinout?
>D
>
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[Non-text portions of this message have been removed]

3062. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 21:26:28 UTC
From: Dave & Loraine
Topic: 2974 Message: 3062

Richard,
IC8 pin8 dead, pin9 12.5kHz, pin12 25kHz, pin14 50kHz.
I'm not a IC pro. I have not done it before.. I have solder wick...
The ICs are Toshiba.
Dave

3063. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-20 22:01:43 UTC
From: Dave & Loraine
Topic: 2974 Message: 3063

Richard,

I noticed that the ICs are running quite warm with IC9 being too hot to leave a finger in contact for 5 seconds. (IC8 is just warm)
Totally unscientific by your standards I'm shure! Are these old ICs power hungry/inefficient ?
Do they age and fail due to heat*time?

Dave

3064. How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 00:28:16 UTC
From: John Shadle
Topic: 3064 Message: 3064

How can you tell if the antenna is loading? I have an MFJ transmatch, so I can set the antenna for low SWR. But how do I know how much power is getting to the antenna?

I have a tuned 40-meter dipole, and I can get out on 40 meters OK, but even with the antenna tuner showing very little SWR I'm not getting out very well on 80 or 20 meters.

I have a TS-520.

John
kc0rpw

3065. Re: [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 00:51:50 UTC
From: Eric Webner
Topic: 3064 Message: 3065

Hi John,

Gosh, where do I get started? Generally, when running an antenna with a transmatch, you want the antenna to be a 1/2 wavelength on the lowest frequency you intend to use it on. So in your case, it may be difficult to load up on 80 meters, though it should be ok on 20.

I assume you fed the antenna with a length of coax. If you fed it with a balanced line, such as 450-ohm ladderline, the transmatch would have a much easier time of obtaining a match, and you would have much less line loss. Your transmatch would have to have a balun in it (balanced output terminals).

A good ground is also important to any system.

The TS-520 needs to be tuned up into a dummy load before you try to load the antenna with the transmatch.

The other idea I had was that perhaps it seems you are not getting out on 20 very well because your dipole signal is being compared against other hams' signals, which seem to often be a beam or high-performance vertical.

That's my 2-cents. I hope it gives you some ideas to work with.

73,

Eric KA8FAN

John Shadle <ticktock@...> wrote:

How can you tell if the antenna is loading? I have an MFJ
transmatch, so I can set the antenna for low SWR. But how do I know
how much power is getting to the antenna?

I have a tuned 40-meter dipole, and I can get out on 40 meters OK,
but even with the antenna tuner showing very little SWR I'm not
getting out very well on 80 or 20 meters.

I have a TS-520.

John
kc0rpw

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3066. [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 00:59:03 UTC
From: donii@sympatico.ca
Topic: 3064 Message: 3066

Ever hear of a field strengh meter?
Peter

3067. Re: How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 01:31:10 UTC
From: John Shadle
Topic: 3064 Message: 3067

--- In TS-520_820_530_830@yahoogroups.com, "donii@s..." <donii@s...>
wrote:
> Ever hear of a field strengh meter?
> Peter

Nope. Where can I get one?

John

3068. Re: [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 02:22:54 UTC
From: f x
Topic: 3064 Message: 3068

Dear John,

Well, the simplest answer you already have... it is whether you are being heard elsewhere that is important, not what some meter says... For example, you can tune up into a 50 Ohm resistor and have 1:1 SWR... and NO radiation taking place. Generally, dipoles only work well on their design frequency (40 in your case) and at 3 times the design frequency... so it would work OK on 15, though the pattern will be more off the ends than broadside... If you look at the feed point impedance, a dipole in free space is about 73 Ohms...a fair match to the coax feeding it...but, when the elements are electrically longer (20 M) or shorter (80 M) then the feedpoint impedance is sky high... hard to get any power transfer between the feed line and the radiating elements... where does the power go? In the coax, and in the tuner... and since your SWR is good between transmitter and feedline, it is probably not being dissipated in the tubes... though I could be to some extent. Mostly it is in
circulating currents and the I squared R losses in the coil inside your tuner.... If it is big beefy tuner, then you probably are not key down long enough to notice it, and the components are tough enough not to arc over... but with more power... well... things can get hot... and arc..

The suggestion about using open wire line in another response is a good one... make yourself a G5RV multiband antenna... there are several designs available on the web, in the ARRL pubs, etc... In these, the unbalanced (300 Ohm or 450 Ohm) feedline becomes part of the radiator, and the thing works quite well on several bands... the comment about a good ground in this system is quite germane... For low power... 100 watts or so, a good 300 ohm tv twin-lead wire works well. Just do not let it touch anything on the way to the horizontal elements... That is what they make those "standoff insulator" things for...or you can opt for the commercially available (and not too expensive) 450 ohm "ladder line", with the same restrictions... don't let it touch the house or anything else on its way to the antenna elements. Or you could go with one of the "Windom" designs.. basically an end fed wire... several designs and reports for these in the literature as well..

If you want to stick to the coax feed, try a trap dipole... you can get them commercially for "all bands"... or make some of your own.. the traps just electrically isolate sections of the wire so that it looks like the right length... when going lower in frequency, the inductors in the traps add length...

The biggest factors to "getting out" or "working DX" are antenna height, and a good ground to work against... I have a G5RV type antenna which I can load on all bands (160-10) with no RF in the shack... And yes, I have made a couple of 160 meter contacts on it... not real efficient, but it does work... and mine is only up about 40 feet at the middle and slopes on the ends... but in sloping down, I get some vertical radiation off the ends... Using this antenna, and my trusty TS-830 barefoot, I worked DXCC during the first DX contest I had it up, two years ago.. Have worked Asia (Japan and Korea) on it on 40 CW as well as Africa... so, you do not absolutely have to have a HUGE array to get out...

As far as the "field strength meter" comment... you can get one from MFJ... but I wonder if the result would be worth the investment... another ham rig would work as well... or another ham in the same town with an S meter to tell you whether your signal is stronger or weaker after you make changes...(the other ham should have his shack fairly close to yours for this to work well...) or someone with a mobile rig to do the same thing...

One last comment before I sign off... one of my pet peeves... the SWR myth... Everyone seems fixated on having 1:1 SWR... that is great if easy to come by... if not easy, then you have to ask... what does it mean that I DON'T have 1:1... for example... if the SWR is a bodacious 3:1 (unheard of in this day of transistor finals which fry on 2:1)... you will lose only 25% of your transmitted power!!!!!!!! Consider...if you send 100 watts up the line, and 25 comes back as a reflected wave, but the rest radiates.... how much weaker is your signal at the receiving end... Well, let's see... if you lost half your reflected power, you would lose 3 dB, or about half an "S" unit.. if you lose only 25% of it, that is a fractional "S" unit, and you probably could not hear the difference in 99% of your QSOs... if you want to try it, just make a contact, and then reduce your output and check it out... again we get back to where the power goes when it comes back down the feedline... it gets
dissipated as heat somewhere... maybe in the tuner... but if you don't use one, it gets dissipated in the plates of your wonderful tube finals which will handle it just fine... the marginally designed transistors will fry with that much extra power to handle... that is why many "modern" rigs employ automatic shutdown if the SWR goes over 2:1.... I run high band verticals (1/4 wave) on 15 and 10, and Bobtail curtains on 40 and 20, and the G5RV everywhere I want... usually my SWRs run 1.5-1.8:1 and I just don't worry about it...

Hope this is helpful

73

NY0Y
Raleigh

John Shadle <ticktock@...> wrote:

How can you tell if the antenna is loading? I have an MFJ
transmatch, so I can set the antenna for low SWR. But how do I know
how much power is getting to the antenna?

I have; a tuned 40-meter dipole, and I can get out on 40 meters OK,
but even with the antenna tuner showing very little SWR I'm not
getting out very well on 80 or 20 meters.

I have a TS-520.

John
kc0rpw

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3069. [TS-520_820_530_830] antenna is loading?--- field strength meter

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 02:46:31 UTC
From: donii@sympatico.ca
Topic: 3069 Message: 3069

John
Well, I haven't seen any for sale new but I'm sure that you can get one by asking on the flea markets. It can be very easily built as I'm sure that practically any year ARRL handbook will have plans on how to build one . These are very simple ....a small whip antenna, a rectifying circuit and a meter. All the field strength meter does is catch part of the antenna's radiated signal and rectifies it to the meter. Doesn't give finite measurements but helps you see how much power is going to the antenna rather than being absorbed by the coax/feedline and antenna matchbox. Also helps you 'dip' and tune the transmitter and matchbox for max. power to the antenna.
73
Peter

--- In TS-520_820_530_830@yahoogroups.com, "donii@s..." <donii@s...> wrote:
> Ever hear of a field strengh meter?
> Peter

Nope. Where can I get one?

John

3070. Re: [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 04:19:32 UTC
From: Bill K0ZL
Topic: 3064 Message: 3070

What is between the tuner and the antenna; coax (if
so, what kind) or twin lead (open wire or ladder
line)?

bill

--- John Shadle <ticktock@...> wrote:

>
> How can you tell if the antenna is loading? I have
> an MFJ
> transmatch, so I can set the antenna for low SWR.
> But how do I know
> how much power is getting to the antenna?
>
> I have a tuned 40-meter dipole, and I can get out on
> 40 meters OK,
> but even with the antenna tuner showing very little
> SWR I'm not
> getting out very well on 80 or 20 meters.
>
> I have a TS-520.
>
> John
> kc0rpw
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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3071. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 08:44:08 UTC
From: Richard Harris
Topic: 2974 Message: 3071

Dave,

I didn't think to suggest trying the finger test! The counters should all be the same temperature. Being original TTL, they are reasonably power hungry (but warm, not hot) and most of the developments since have been to get the power down and/or the speed up. There is a huge range of 74 series variants these days, many now based on CMOS technology.

Anyway, I think it is bite-the-bullet time. Do you think that you can find any 7490 or 74LS90, or would you like me to get hold of some? I suggest two or three (IC9 is suspect as well) and also several 7475 or 74LS75 latches, just in case.

Is there sufficient headroom and real estate around IC8/IC9 etc to put in a socket?

Richard

At 23:01 20/12/2004 +0100, you wrote:
>Richard,
>
>I noticed that the ICs are running quite warm with IC9 being too hot to
>leave a finger in contact for 5 seconds. (IC8 is just warm)
>Totally unscientific by your standards I'm shure! Are these old ICs power
>hungry/inefficient ?
>Do they age and fail due to heat*time?
>
>Dave
>
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3072. Re: How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 12:59:21 UTC
From: John Shadle
Topic: 3064 Message: 3072

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> What is between the tuner and the antenna; coax (if
> so, what kind) or twin lead (open wire or ladder
> line)?
>
> bill
I have two antennas up now, a 40-meter dipole which is coax-fed, has
a 1:1 balun. I also have a 160-foot random length antenna which is
mounted low to the ground (around the soffit of my building). Both
feed into an MFJ 949E antenna tuner.

John
kc0rpw

3073. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 13:11:45 UTC
From: Dave & Loraine
Topic: 2974 Message: 3073

Hi Richard,

Thanks again for your invaluable assistance in trouble-shooting this problem.

I live in rural south-west France but I shall visit my little component shop in Bergerac this afternoon and email my findings.
He may not stock anything digital. More like germanium diodes, accumulators and battery eliminators!
(or is that before your time?) If he hasn't got, I would accept your kind offer and reimburse your costs. I'll email mid pm.
Three 7490, three 7473 and three 14pin sockets. I have several 16pin sockets.
There is sufficient space for sockets.

Cheers
Dave

3074. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 13:31:47 UTC
From: Richard Harris
Topic: 2974 Message: 3074

Dave,

If all else fails....

www.kenwoodparts.com ("East Coast" in NY) has counter boards in stock at
$137 according to a search I made just now. Also the counter mixer boards
at $190. This looks like a useful source of Kenwood parts.

Any group members used this company?

Battery eliminators are definitely not before my time! I've held my call
since 1961...

Richard G3OTK

At 14:11 21/12/2004 +0100, you wrote:

>Hi Richard,
>
>Thanks again for your invaluable assistance in trouble-shooting this
>problem.
>
>I live in rural south-west France but I shall visit my little component shop
>in Bergerac this afternoon and email my findings.
>He may not stock anything digital. More like germanium diodes, accumulators
>and battery eliminators!
>(or is that before your time?) If he hasn't got, I would accept your kind
>offer and reimburse your costs. I'll email mid pm.
>Three 7490, three 7473 and three 14pin sockets. I have several 16pin
>sockets.
>There is sufficient space for sockets.
>
>Cheers
>Dave
>
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3075. Re: [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 14:30:20 UTC
From: Walt Breining
Topic: 3064 Message: 3075

Feed line loss multiplies as the SWR increases. The SWR at the feed point of a 40-meter dipole on 80 or 20 meters will be very high. The higher the loss of your feed line, the higher the multiplied loss will be. Also the longer the feed line is the higher the multiplied loss. Properly installed balanced line will have lower loss when matched than just about anything else so it will have lower multiplied loss when not matched. There will be some loss but it will be far less than with coax.

In order to use coax you could parallel a 20-meter dipole to the same feed point as your 40-meter dipole keeping the 20-meter wires some distance from the 40-meter wires particularly near the ends. The resonant antenna wires will take the power on the band it is cut for because it's impedance will be around 50 ohms and the other dipole (s) will exhibit a very high complex impedance in comparison.

On 80 meters you also have problems. First the radiation efficiency of a 40-meter antenna on 80 will be less because it is less than ½ wave and it's radiation resistance will be lower. Line loss will be high due to SWR on the coax line, and tuner loss may be high as this may present a low complex impedance with capacitive reactance.

Again a good solution would be to parallel an 80-meter dipole to the feed point. If you don't have enough room, the ends can be folded down and even bent around like a Z.

These wires will affect one another slightly due to proximity. You will have to play around with the lengths of these dipoles to bring them into resonance. I usually end up with them too short so I add a piece of wire at the ends just inside the end insulator and let it hang down 12 inches or so at first. (6" on 40 and 4" on 20) #14 or 12 solid electrical wire works good. Then you can conveniently snip it bits at a time till it come in. If you snip too much off, you can replace the end wire and try again. Keep both ends equal length. Go from band to band and bring them in a bit at a time until they all fall into place.

On 80 you will change the length 2 or 3 inches at a time. On 40 1 to ½ inch at a time, on 20 ½ to ¼ inch at a time.

I have found the "fan dipole" consisting of several dipoles for different bands in parallel to be the most efficient multi band dipole. It has fewer compromises.

Vy 73, Walt N9WB

----- Original Message -----
From: John Shadle
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, December 20, 2004 7:28 PM
Subject: [TS-520_820_530_830] How can you tell if the antenna is loading?

How can you tell if the antenna is loading? I have an MFJ
transmatch, so I can set the antenna for low SWR. But how do I know
how much power is getting to the antenna?

I have a tuned 40-meter dipole, and I can get out on 40 meters OK,
but even with the antenna tuner showing very little SWR I'm not
getting out very well on 80 or 20 meters.

I have a TS-520.

John
kc0rpw

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3076. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 14:50:36 UTC
From: Dave & Loraine
Topic: 2974 Message: 3076

Hi Richard,

The shop owner's wife rummaged in her boxes of new fangled bits and came up
with the following which I bought:
3off MOTOROLA? SN74LS90N 14pin. Pinouts OK?
3off S? 74LS73 14 pin oops, should be 16pin. Must swap them for 16pin.

I'll get cracking with replacing IC8 with a socket.
Apart from using an angle grinder, are there any special requirements for
wicking and chip removal?
I've done some Veroboard work but nothing of this class.

Dave

3077. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 15:20:28 UTC
From: Richard Harris
Topic: 2974 Message: 3077

Dave,

I am amazed that you were able to but 74LS90 locally. Also, did you really mean 74LS73 - this is a 14 pin device, a dual flip-flop.

The main problem with PTH boards is wicking up the solder that is within the holes. If the IC pins are a tight fit then this can be difficult, but hopefully you will not find a problem. I tend to wrap half a turn of "Solderwick" around the pin and heat it up and that tends to suck up the solder. Once I am reasonably sure the solder is out of the hole, I gently move the pin of the device with a pair of pliers so that it breaks away from the plated wall of the hole.

If you find problems then you can always cut each leg of the IC on the component side of the boards and then take out one pin at a time.

Richard

At 15:50 21/12/2004 +0100, you wrote:
>Hi Richard,
>
>The shop owner's wife rummaged in her boxes of new fangled bits and came up
>with the following which I bought:
>3off MOTOROLA? SN74LS90N 14pin. Pinouts OK?
>3off S? 74LS73 14 pin oops, should be 16pin. Must swap them for 16pin.
>
>I'll get cracking with replacing IC8 with a socket.
>Apart from using an angle grinder, are there any special requirements for
>wicking and chip removal?
>I've done some Veroboard work but nothing of this class.
>
>Dave
>
>
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3078. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 15:46:46 UTC
From: Bill Crowell
Topic: 2974 Message: 3078

Hi, Dave. This will acknowledge receipt of your request that I send you the TS-820 service manual. I will put it in the mail ASAP. Sorry I didn't do it earlier, but the holiday season has been busy for me. Please put it to good use, and be sure to pass it on to someone deserving if and when you no longer need it. Gotta keep those TS-820's going! Good rig.

Say, Dave, I am Curious As the Devil about what you do for a living there in France. I love traveling to Europe, and am making another trip this June. As much as I would like to, I have never been able to figure out a way to make a living in Europe, or to stay there for more than just a short period of time, before having to return home to make more $. However, I am getting ready to retire now and am thinking of living in Europe when I do. Would you have any ideas about how one can live cheaply? Sure would appreciate any advice you can give me. Thanks, Dave. Bill Crowell, N6AYJ

_____
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3079. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 15:49:30 UTC
From: Dave & Loraine
Topic: 2974 Message: 3079

Hi Richard

74LS73 Something got lost in the translation!(my poor French)
I'll keep these wrong ICs for experiments.

Thanks for the desoldering tips. I'll do it tonight, test it and post the
results.
I ask the group to keep their fingers crossed...
If IC8 is the only problem, we're on a winner.

Cheers
Dave

3080. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 16:17:27 UTC
From: Richard Harris
Topic: 2974 Message: 3080

Dave,

From your e-mails of yesterday, IC9 is suspect as well (the one that was rather hot).

Richard

At 15:50 21/12/2004 +0100, you wrote:
>Hi Richard,
>
>The shop owner's wife rummaged in her boxes of new fangled bits and came up
>with the following which I bought:
>3off MOTOROLA? SN74LS90N 14pin. Pinouts OK?
>3off S? 74LS73 14 pin oops, should be 16pin. Must swap them for 16pin.
>
>I'll get cracking with replacing IC8 with a socket.
>Apart from using an angle grinder, are there any special requirements for
>wicking and chip removal?
>I've done some Veroboard work but nothing of this class.
>
>Dave
>
>
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3081. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 16:24:22 UTC
From: Dave & Loraine
Topic: 2974 Message: 3081

Hi Bill (N6AYJ),

Thanks for your trouble. I'll certainly put the copy to good use on my lovely 820s.

My story in a nutshell:
We lived and worked in South Africa with an excellent, materialistic lifestyle but poor quality of life. Nice house, fancy cars, fast lane.
I did the sums and calculated that at 55, I could take early retirement and cash-in my pension at 18% tax. (that's another story)
We decided that we would rather be poor and happy in the French countryside with a lower standard of living but an excellent quality of life. Working without good French is very difficult We don't work.
We live off the earnings from our investment (5% interest at very low tax) + some capital.
We have enough for us to live until 90yrs old...
Loraine is 13 yrs younger than me so we have to have a 45 yr plan.
Ridiculously ambitious.
But what an adventure!
In France, we have a monthly budget of E1,500 + luxuries.
Inflation is really twice the official figure. Most things seem expensive but maybe that's a feature of living on fixed income.
The medical system is very good and you pay 8% of your salary for it if employed.
Don't do it unless you both agree up-front and you're both adventurous and can take some knocks in the golden years.
Do all your travelling before retirement. It's too expensive after!
I've never been happier. I'll be even more happy if the IC8 replacement fixes the problem!

Cheers
Dave

3082. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 16:31:03 UTC
From: Dave & Loraine
Topic: 2974 Message: 3082

Richard,
OK.
Could a bad IC9 damage a new IC8?
If so, I'll do both.
If not, I'll do IC8 and test the display first.
The rig is open so no problem testing.

Cheers
Dave

3083. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 16:56:34 UTC
From: Richard Harris
Topic: 2974 Message: 3083

Dave,

Or maybe a bad IC8 might damage IC9. I don't think that is so because it
is an IC8 output connected to an IC9 input. However, IC9 has been
over-dissipating, and if OK now could give problems later.

I suggest just replace IC8 at present - after all, it will be in a socket
and easily changed.

Richard

At 17:31 21/12/2004 +0100, you wrote:
>Richard,
>OK.
>Could a bad IC9 damage a new IC8?
>If so, I'll do both.
>If not, I'll do IC8 and test the display first.
>The rig is open so no problem testing.
>
>Cheers
>Dave
>
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3084. RE: [TS-520_820_530_830] Re: How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 19:30:10 UTC
From: Sean.....He's the cat that won't cop out
Topic: 3064 Message: 3084

When you say "getting out" what do you mean. That is a relative term. The bands have not been the greatest these days. That said, both of those antennas should "get out" Do they compete with a 6 element beam on a 100' tower? NOPE. Are you sure your radio is tuned well? I would imagine if the MFJ shows 100-ish watts forward, you should be OK. You might want to make sure your antennas are not touching anything that is grounding them out. How high is your building? I would imagine the soffit of a building would not be optimal but certainly good enough. With the 949e and some patience you should be able to tune and work 160-10 with varying degrees of success but success nonetheless.

I am off work from 24th through the 3rd and would be happy to listen for you. I have yet to ever work anyone from one these boards. Lemme know when and where (non-WARC) and I will give a listen and let you know how you are getting out.

Good Luck,

Sean - WA2LKV

>From: "John Shadle" <ticktock@...>
>Reply-To: TS-520_820_530_830@yahoogroups.com
>To: TS-520_820_530_830@yahoogroups.com
>Subject: [TS-520_820_530_830] Re: How can you tell if the antenna is
>loading?
>Date: Tue, 21 Dec 2004 12:59:21 -0000
>
>
>--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
>wrote:
> > What is between the tuner and the antenna; coax (if
> > so, what kind) or twin lead (open wire or ladder
> > line)?
> >
> > bill
>I have two antennas up now, a 40-meter dipole which is coax-fed, has
>a 1:1 balun. I also have a 160-foot random length antenna which is
>mounted low to the ground (around the soffit of my building). Both
>feed into an MFJ 949E antenna tuner.
>
>John
>kc0rpw
>
>
>

3085. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 19:45:24 UTC
From: Dave & Loraine
Topic: 2974 Message: 3085

Hi Richard and the group,

Success!
She displays like new.
Replaced IC8 with a socket and plugged in a new IC.
I cut the IC pins at the plastic and removed one line of stubs.(mistake!)
Removal of the solder in the through-plated holes proved to be impossible
with solder wick so I soldered in new pins then soldered the socket pins to
those.
I connected the input then scoped the pins and the following ICs. All OK.
The temperature difference I previously noted on IC9 is not detectable now.
Maybe it's just colder today...

Thanks to Bill for his guidance early in the problem, thanks to the other
Bill and Jason for their kind assistance, special thanks to Richard for his
expertise in matters logical and general thanks to the wonderful people in
this group.
I hope I can help someone in the future.
73s
Dave

3086. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-21 20:08:49 UTC
From: Richard Harris
Topic: 2974 Message: 3086

Dave,

Congratulations! That is the best news I had this week! Wonderful news.

I hope we can meet over the air sometime.

Best 73s

Richard G3OTK

At 20:45 21/12/2004 +0100, you wrote:
>Hi Richard and the group,
>
>Success!
>She displays like new.
>Replaced IC8 with a socket and plugged in a new IC.
>I cut the IC pins at the plastic and removed one line of stubs.(mistake!)
>Removal of the solder in the through-plated holes proved to be impossible
>with solder wick so I soldered in new pins then soldered the socket pins to
>those.
>I connected the input then scoped the pins and the following ICs. All OK.
>The temperature difference I previously noted on IC9 is not detectable now.
>Maybe it's just colder today...
>
>Thanks to Bill for his guidance early in the problem, thanks to the other
>Bill and Jason for their kind assistance, special thanks to Richard for his
>expertise in matters logical and general thanks to the wonderful people in
>this group.
>I hope I can help someone in the future.
>73s
>Dave
>
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3087. ts 520 se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 00:03:24 UTC
From: budgiebob2000
Topic: 3087 Message: 3087

Thanks for reply . Have you the necessary changes ie wiring written up so that I may follow . I can sort the plugs etc but would appreciate electrical details etc before I start . Is this a proven mod? thanks for your time best regards for Christmas and new year
BOB G8ACQ

3088. Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 02:52:59 UTC
From: Steve White
Topic: 3088 Message: 3088

I know this is not a Kenwood Twins group but thought I would take a chance on asking if anyone knows where I can get a part for old T-599. The 16pin connector on the back that goes to the interconnecting cable set is broken pretty badly and it needs to be replaced. If anyone knows where to get one I would be very appreciative. If you have an old T-599 that you use for parts you would have what I need. Or if you know of someone who does that would be helpful. Kenwood does not have this part any longer to no ones surprise. I also need the collar that goes behind the main tuning dial as well.

I am trying to bring this unit back to life.

Thanks Steve NU0P

3089. ts 820s if board needed x48-1150-00

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 03:04:19 UTC
From: jason dembowski
Topic: 3089 Message: 3089

Hi all
Need an if board for ts 820s,the one I have has been fixed one to many times with a very hot soldering gun.(not me)
So if you or someone you may know who has one let me know.
Live in maine in the u.s and and will pay for shipping and time.
thank you and HAPPY HOLIDAYS!!!!!!!!!
73S all kb1jhl
Jason Dembowski

3090. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 11:20:08 UTC
From: Dave & Loraine
Topic: 2974 Message: 3090

Hi Richard
Next time I'm in UK, I'll try to buy you a beer(whiskey, coffee, tea)
If you're ever down here also.
I listen on 40 and 80. Are you active there? I only sit my licence exam next year but I look forward to a QSO then.
Cheers
Dave

3091. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 11:50:36 UTC
From: Richard Harris
Topic: 2974 Message: 3091

Dave,

Thanks for the offer and I look forward to meeting you and toasting our success with fixing the TS-820 display. Probably in the UK because I am the only Brit who has never been to France!

Weekdays I am near Winchester/Southampton and weekends near Honiton in Devon. My radio operation is at weekends only, as G3OTK/P (from a gliding club airfield - a very quiet radio location), and I can put out some sort of signal on all HF bands. 80m or 40m would be probably be best. Good luck with the licence exam.

A very Merry Christmas to you and your family and all the best for 2005.

Also a Merry Christmas to other Group Members, particularly those who have monitored this thread to the very end.

Richard

At 12:20 22/12/2004 +0100, you wrote:
>Hi Richard
>Next time I'm in UK, I'll try to buy you a beer(whiskey, coffee, tea)
>If you're ever down here also.
>I listen on 40 and 80. Are you active there? I only sit my licence exam next
>year but I look forward to a QSO then.
>Cheers
>Dave
>
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3092. Re: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 12:43:11 UTC
From: Dave & Loraine
Topic: 3092 Message: 3092

Merry Xmas and happy to year to all.
Dave

3093. Re: [TS-520_820_530_830] Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 15:26:23 UTC
From: peter A markavage
Topic: 3088 Message: 3093

The connector is made by Hirose,
http://www.hiroseusa.com/products_listings.asp
1300 Series, 16 pin. I believe there is a dealer in England who stocks them. Check their distributor list.

Pete, wa2cwa

On Wed, 22 Dec 2004 02:52:59 -0000 "Steve White" <stever1k@...> writes:

I know this is not a Kenwood Twins group but thought I would take a chance on asking if anyone knows where I can get a part for old T-599. The 16pin connector on the back that goes to the interconnecting cable set is broken pretty badly and it needs to be replaced. If anyone knows where to get one I would be very appreciative. If you have an old T-599 that you use for parts you would have what I need. Or if you know of someone who does that would be helpful. Kenwood does not have this part any longer to no ones surprise. I also need the collar that goes behind the main tuning dial as well.

I am trying to bring this unit back to life.

Thanks Steve NU0P

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3094. Help Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 15:40:38 UTC
From: Hector (Luigi) Perez
Topic: 3088 Message: 3094

Hi there folks. I have an AT-250 that I use with my
TS-830. This morning I noticed that it tunes the radio
properly however, something has happening that power
meter does not read. I would like to send this item
for service and repair.

Do anyone knows a trusted service center where I could
send this tunner? Please kindly let me know

Best to all

Luiigi NP4FW

Do you Yahoo!?
Take Yahoo! Mail with you! Get it on your mobile phone.
http://mobile.yahoo.com/maildemo

3095. RE: [TS-520_820_530_830] Help Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 15:52:16 UTC
From: Ron Kienzle
Topic: 3088 Message: 3095

Send it to Bill, K0ZL, the moderator of this group. He has done work for me
and it was excellent and the price was right.

See his website at http://www.amateur-repairs.com/

73,

--Ron (KZ7P)

-----Original Message-----
From: Hector (Luigi) Perez [mailto:capecuatro@...]
Sent: Wednesday, December 22, 2004 10:41 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Help Wanted

Hi there folks. I have an AT-250 that I use with my
TS-830. This morning I noticed that it tunes the radio
properly however, something has happening that power
meter does not read. I would like to send this item
for service and repair.

Do anyone knows a trusted service center where I could
send this tunner? Please kindly let me know

Best to all

Luiigi NP4FW

_____
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3096. RE: [TS-520_820_530_830] Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 16:37:18 UTC
From: Brent Baum
Topic: 3088 Message: 3096

Mouser is now carrying the 16 pin Hirose series of connectors, if it is the same type. Good luck.
Brent
K7MEI

-----Original Message-----
From: Steve White [mailto:stever1k@...]
Sent: Tuesday, December 21, 2004 7:53 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] Need parts for T-599/A

I know this is not a Kenwood Twins group but thought I would take a chance on asking if anyone knows where I can get a part for old T-599. The 16pin connector on the back that goes to the interconnecting cable set is broken pretty badly and it needs to be replaced. If anyone knows where to get one I would be very appreciative. If you have an old T-599 that you use for parts you would have what I need. Or if you know of someone who does that would be helpful. Kenwood does not have this part any longer to no ones surprise. I also need the collar that goes behind the main tuning dial as well.

I am trying to bring this unit back to life.

Thanks Steve NU0P

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[Non-text portions of this message have been removed]

3097. RE: [TS-520_820_530_830] ts 520 se

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 17:15:51 UTC
From: Brent Baum
Topic: 3087 Message: 3097

Bob,
I haven't gotten that far yet with the mod. I've been too busy playing with the radio to play in the radio. As it is my only HF rig I haven't wanted to create a lot of down time for it. I also need to undo an 11 meter mod a previous owner installed before I can use the transverter. (Does anybody have the four 10 meter crystals?)

What I have done is compare the 520S schematics with those for the 520SE and the boards are exactly the same. Then I opened the case and visually verified that the various solder connections, etc. on the boards were actually present, and they are. The xvtr, gound and high voltage (there are 2) lines are straight forward and can be run directly out to their connectors. It gets a little complicated with the T/R switching and the T/R relay as well as the xvtr in/out slide switch. The wiring looks straight forward but I haven't physically traced those lines yet. This is where we will need to make the "breaks" I referred to in my earlier post.

I would have thought that sometime in the past someone would have made this mod, but none of the groups I have posted to are aware of it being done. It's not proven, but all we would be doing is reversing the mod Kenwood made when they went from the "S" to the "SE".

As soon as I figure it all out and get it done and working I intend to post the results to this group.

73 for Christmas and New Year.

Brent
K7MEI

-----Original Message-----
From: budgiebob2000 [mailto:budgiebob@...]
Sent: Tuesday, December 21, 2004 5:03 PM
To: TS-520_820_530_830@yahoogroups.com
Subject: [TS-520_820_530_830] ts 520 se

Thanks for reply . Have you the necessary changes ie wiring written
up so that I may follow . I can sort the plugs etc but would
appreciate electrical details etc before I start . Is this a proven
mod? thanks for your time best regards for Christmas and new year
BOB G8ACQ

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<http://us.adserver.yahoo.com/l?M=298184.5639630.6699735.3001176/D=groups/S=:HM/A=2434971/rand=762021473>

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3098. Turn-on Difficulties

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 22:36:30 UTC
From: Irena and Richard Jenkins
Topic: 3098 Message: 3098

Helo everybody...

Sometimes when I turn my TS530S on the lights come on ... but there are no signals or digital display. If I leave it for a while and turn it on again it will behave normally. Does anyone know about this difficulty??

Richard
--
--
Irena & Richard Jenkins VK1NDV & VK1RJ
Canberra, AUSTRALIA
++

3099. Re: [TS-520_820_530_830] How can you tell if the antenna is loading?

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 02:08:52 UTC
From: Eric Webner
Topic: 3064 Message: 3099

Well done Walt!

And may I add a couple comments:

The maximum number of dipoles that one can parallel is 4. Beyond that, there is too much interaction. However, a five-band dipole (fan) antenna can be had by installing 80, 40, 20, and 10-meter dipoles in parallel. 15-meter operation is accomplished through the 40-meter element (resonant on 3x its frequency). If space is a problem for the 80-meter antenna, I'd suggest a Van Gorden Engineering Shortened 80 meter dipole kit. Using a couple 23 uH coils, the overall length is only 90 feet. Using information from the ARRL Antenna Book, I reworked it to only 80 feet.

This was my first antenna 25 years ago, and it worked great. I coax-fed mine directly with the TS-520 and let its pi-net be my tuner. Its not a full-range tuner, but I could load up all five bands to full power. I could even work a large chunk of 80. Certainly, the SWR rose up as I got away from resonance, but the SYSTEM was able to transfer maximum power.

Referring to another response to this question, the writer indicated that one of his pet peeves had to do with antennas and swr, etc. I would direct all who are interested in the subject to look for a series of articles by M. Walter Maxwell that were published in QST back in the '70s.

I hope this helps you, Sean.

Eric KA8FAN

Walt Breining <n9wb@...> wrote:
Feed line loss multiplies as the SWR increases. The SWR at the feed point of a 40-meter dipole on 80 or 20 meters will be very high. The higher the loss of your feed line, the higher the multiplied loss will be. Also the longer the feed line is the higher the multiplied loss. Properly installed balanced line will have lower loss when matched than just about anything else so it will have lower multiplied loss when not matched. There will be some loss but it will be far less than with coax.

In order to use coax you could parallel a 20-meter dipole to the same feed point as your 40-meter dipole keeping the 20-meter wires some distance from the 40-meter wires particularly near the ends. The resonant antenna wires will take the power on the band it is cut for because it's impedance will be around 50 ohms and the other dipole (s) will exhibit a very high complex impedance in comparison.

On 80 meters you also have problems. First the radiation efficiency of a 40-meter antenna on 80 will be less because it is less than ? wave and it's radiation resistance will be lower. Line loss will be high due to SWR on the coax line, and tuner loss may be high as this may present a low complex impedance with capacitive reactance.

Again a good solution would be to parallel an 80-meter dipole to the feed point. If you don't have enough room, the ends can be folded down and even bent around like a Z.

These wires will affect one another slightly due to proximity. You will have to play around with the lengths of these dipoles to bring them into resonance. I usually end up with them too short so I add a piece of wire at the ends just inside the end insulator and let it hang down 12 inches or so at first. (6" on 40 and 4" on 20) #14 or 12 solid electrical wire works good. Then you can conveniently snip it bits at a time till it come in. If you snip too much off, you can replace the end wire and try again. Keep both ends equal length. Go from band to band and bring them in a bit at a time until they all fall into place.

On 80 you will change the length 2 or 3 inches at a time. On 40 1 to ? inch at a time, on 20 ? to ? inch at a time.

I have found the "fan dipole" consisting of several dipoles for different bands in parallel to be the most efficient multi band dipole. It has fewer compromises.

Vy 73, Walt N9WB

----- Original Message -----
From: John Shadle
To: TS-520_820_530_830@yahoogroups.com
Sent: Monday, December 20, 2004 7:28 PM
Subject: [TS-520_820_530_830] How can you tell if the antenna is loading?

How can you tell if the antenna is loading? I have an MFJ
transmatch, so I can set the antenna for low SWR. But how do I know
how much power is getting to the antenna?

I have a tuned 40-meter dipole, and I can get out on 40 meters OK,
but even with the antenna tuner showing very little SWR I'm not
getting out very well on 80 or 20 meters.

I have a TS-520.

John
kc0rpw

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3100. Re: [TS-520_820_530_830] Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 02:16:36 UTC
From: Eric Webner
Topic: 2974 Message: 3100

Way to go!!!!

73,

Eric KA8FAN

Dave & Loraine <dave.crooks@...> wrote:
Hi Richard and the group,

Success!
She displays like new.
Replaced IC8 with a socket and plugged in a new IC.
I cut the IC pins at the plastic and removed one line of stubs.(mistake!)
Removal of the solder in the through-plated holes proved to be impossible
with solder wick so I soldered in new pins then soldered the socket pins to
those.
I connected the input then scoped the pins and the following ICs. All OK.
The temperature difference I previously noted on IC9 is not detectable now.
Maybe it's just colder today...

Thanks to Bill for his guidance early in the problem, thanks to the other
Bill and Jason for their kind assistance, special thanks to Richard for his
expertise in matters logical and general thanks to the wonderful people in
this group.
I hope I can help someone in the future.
73s
Dave

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3101. Re: [TS-520_820_530_830] Help Wanted

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 04:52:05 UTC
From: Bill K0ZL
Topic: 3088 Message: 3101

Luiigi,

You can change the SWR detect diodes yourself on this
one, I think.

bill

--- "Hector (Luigi) Perez" <capecuatro@...>
wrote:

> Hi there folks. I have an AT-250 that I use with my
> TS-830. This morning I noticed that it tunes the
> radio
> properly however, something has happening that power
> meter does not read. I would like to send this item
> for service and repair.
>
> Do anyone knows a trusted service center where I
> could
> send this tunner? Please kindly let me know
>
> Best to all
>
>
> Luiigi NP4FW
>
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> _____
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>

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"If in doubt, MODIFY" --k0zl

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3102. RE: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-22 17:10:07 UTC
From: Randall
Topic: 3092 Message: 3102

Were can I find a service manual for a TS-530S ?
I looked on mods.dk and they didn't have one there.

tanks
Randall

3103. Re: [TS-520_820_530_830] Turn-on Difficulties

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 05:09:05 UTC
From: Bill K0ZL
Topic: 3098 Message: 3103

Ah, good old intermittants; you will have fun
troubleshooting the low voltage supply first I
suppose.

Perhaps tapping around GENTLY, the insides of the rig
with the plastic handle of a medium sized screwdriver
will illuminate things for you.

Merry Christmas y'all

Bill K0ZL

--- Irena and Richard Jenkins
<richard.jenkins@...> wrote:

> Helo everybody...
>
> Sometimes when I turn my TS530S on the lights come
> on ... but there are no
> signals or digital display. ?If I leave it for a
> while and turn it on again
> it will behave normally. ?Does anyone know about
> this difficulty??
>
> Richard
> --
> --
> Irena & Richard Jenkins
> VK1NDV & VK1RJ
> Canberra, AUSTRALIA
>
++
>

=====

"If in doubt, MODIFY" --k0zl

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http://mobile.yahoo.com/maildemo

3104. RE: [TS-520_820_530_830]

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 05:36:18 UTC
From: Bill K0ZL
Topic: 3092 Message: 3104

Randall if you can't get hooked up to Rube for some
reason, holler at me and we will work something out.
It's about 7 megs and FTP is really the best way to
handle big files.

bill

--- Randall <rkkennard@...> wrote:

>
>
>
> Were can I find a service manual for a TS-530S ?
> I looked on mods.dk and they didn't have one there.
>
> tanks
> Randall
>
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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3105. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 06:16:01 UTC
From: ka9inv
Topic: 2974 Message: 3105

Hello all... I haven't been here in awhile, and sorry for not having answered some of these posts!

Anyway, thanks to all the folks who answered... that website with mods for the display was helpful, although the suggestions didn't work. And I noticed something rather interesting about this problem I'm having - I turned the light out while my rig was on and my display was out, and I could actually see the display glowing a little! (I'm assuming a bad connection would not allow for such a thing to happen.) And I have a plug in the back of the rig with pins 8 and 9 shorted, so that isn't the problem... the display still occasionally comes on, but much more rarely now. I've cleaned the connectors, so that can't be it. I went through with my father and checked all the solder connections, and there doesn't seem to be a fault anywhere.

Does anybody have any clue what the problem might be? Maybe this info will help. Or, is it time to send her in to Kenwood and hope they can fix it?

Thank you all again, and Merry Christmas...

Sal KA9INV

3106. Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 06:19:50 UTC
From: ka9inv
Topic: 2974 Message: 3106

Oops, I forgot to add this little tidbit - if I tweak the RF gain or switch functions between VFO and a fixed mode and back, for example, this will occasionally bring the display back on.

Sometimes the display will also show the wrong frequency, BELOW the selected band. Again, switching the function nob to another mode and back will solve the problem a lot of the time.

Again, thank you all for your help...

73, Sal KA9INV

3107. mc-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 07:17:26 UTC
From: Jesse
Topic: 3107 Message: 3107

Can the mc-50 be wired to a hr2510 if so how have tried all i know can get it to key but no audio. Jesse

3108. RE: [TS-520_820_530_830] service manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 08:06:16 UTC
From: Tibor (Tibi) Zentai
Topic: 3092 Message: 3108

Randall,

You can download:

http://www.dsgnet.hu/nightwish/work/ts-530s.zip (9.6 MB, Operation and Service Manuals)

Season's Greetings and prosperous HNY to all list members!

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

********** REPLY SEPARATOR **********

On 2004.12.22. at 11:10 Randall wrote:

>Were can I find a service manual for a TS-530S ?
>I looked on mods.dk and they didn't have one there.
>
>tanks
>Randall
>
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>
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3109. Re: [TS-520_820_530_830] Re: 820s Display problem

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 12:46:39 UTC
From: Dave & Loraine
Topic: 3109 Message: 3109

Hi Sal,

If it's an 820s and tunes OK mechanically and it counts properly sometimes, it maybe the internal inter-board connectors.
Removal of the counter assy for cleaning the internal connectors is easy if you have 'skills'.

Unplug from the mains. Discharge the HT capacitors carefully!.
Tape the speaker lead and plug to a safe place where it won't be crushed.
Follow the book for removal of the counter.
Open the counter assy, remove the board screws and gently separate the boards.
Take care not to flex the boards when separating them with a plastic alignment tool.
Clean the inter-board connectors and also the soldered corners of the analog board.
Run the connectors in and out a few times before final cleaning (to remove any loosened debris) and assemble.
When refitting the assy, it's too easy to drop screws into the rig!

Good luck
Dave

3110. Re: [TS-520_820_530_830] mc-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 15:08:30 UTC
From: Gerry - GI0ZGB
Topic: 3107 Message: 3110

Hi Jesse, see attatchment:

On Thu, 23 Dec 2004 07:17:26 -0000, Jesse <jessdog259@...> wrote:

>
> Can the mc-50 be wired to a hr2510 if so how have tried all i know
> can get it to key but no audio. Jesse
>
>
>

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3111. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 15:31:05 UTC
From: Bill K0ZL
Topic: 2974 Message: 3111

there is a multivibrator circuit in there that
provides low voltage AC for the display filament, I
believe... that may be on the fritz.

b

--- ka9inv <ka9inv@...> wrote:

>
> Hello all... I haven't been here in awhile, and
> sorry for not having
> answered some of these posts!
>
> Anyway, thanks to all the folks who answered... that
> website with
> mods for the display was helpful, although the
> suggestions didn't
> work. And I noticed something rather interesting
> about this problem
> I'm having - I turned the light out while my rig was
> on and my
> display was out, and I could actually see the
> display glowing a
> little! (I'm assuming a bad connection would not
> allow for such a
> thing to happen.) And I have a plug in the back of
> the rig with pins
> 8 and 9 shorted, so that isn't the problem... the
> display still
> occasionally comes on, but much more rarely now.
> I've cleaned the
> connectors, so that can't be it. I went through with
> my father and
> checked all the solder connections, and there
> doesn't seem to be a
> fault anywhere.
>
> Does anybody have any clue what the problem might
> be? Maybe this
> info will help. Or, is it time to send her in to
> Kenwood and hope
> they can fix it?
>
> Thank you all again, and Merry Christmas...
>
>

> Sal KA9INV
>
>
>
>
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>

=====

"If in doubt, MODIFY" --k0zl

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3112. Re: mc-50 mic

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 15:55:14 UTC
From: gerald8078
Topic: 3107 Message: 3112

Looks like the group software removed the attatchment Jesse, e-mail
me
direct and I'll send you the mic info.
In the meantime check out: http://bama.sbc.edu/index.html

Regards es 73 Gerry.

--- In TS-520_820_530_830@yahoogroups.com, "Gerry - GI0ZGB" <rf.
burns@b...> wrote:
> Hi Jesse, see attatchment:
>
>
> On Thu, 23 Dec 2004 07:17:26 -0000, Jesse <jessdog259@y...> wrote:
>
> >
> > Can the mc-50 be wired to a hr2510 if so how have tried all i know
> > can get it to key but no audio. Jesse
> >
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3113. RE: [TS-520_820_530_830] service manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 16:03:50 UTC
From: Randall
Topic: 3092 Message: 3113

Got Manual !

Thanks a bunch. I don't need it right now but would like to have one around.
Still might order a paper manual from manual man.

Thanks again
Randall

-----Original Message-----
From: Tibor (Tibi) Zentai [mailto:ha2mn@...]
Sent: Thursday, December 23, 2004 2:06 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] service manual

Randall,

You can download:

http://www.dsgnet.hu/nightwish/work/ts-530s.zip (9.6 MB, Operation and
Service Manuals)

Season's Greetings and prosperous HNY to all list members!

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

********** REPLY SEPARATOR **********

On 2004.12.22. at 11:10 Randall wrote:

>Were can I find a service manual for a TS-530S ?
>I looked on mods.dk and they didn't have one there.
>
>tanks
>Randall
>
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Yahoo! Groups Links

3114. Re: [TS-520_820_530_830] service manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 16:12:19 UTC
From: peter A markavage
Topic: 3092 Message: 3114

Popular item. Four of them went out earlier this week for Santa's sleigh
of goodies.
Pete, wa2cwa
aka ManualMan

On Thu, 23 Dec 2004 10:03:50 -0600 "Randall" <rkkennard@...> writes:

Got Manual !

Thanks a bunch. I don't need it right now but would like to have one
around.
Still might order a paper manual from manual man.

Thanks again
Randall

-----Original Message-----
From: Tibor (Tibi) Zentai [mailto:ha2mn@...]
Sent: Thursday, December 23, 2004 2:06 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: RE: [TS-520_820_530_830] service manual

Randall,

You can download:

http://www.dsgnet.hu/nightwish/work/ts-530s.zip (9.6 MB, Operation and
Service Manuals)

Season's Greetings and prosperous HNY to all list members!

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

********** REPLY SEPARATOR **********

On 2004.12.22. at 11:10 Randall wrote:

>Were can I find a service manual for a TS-530S ?
>I looked on mods.dk and they didn't have one there.
>
>tanks
>Randall

[Non-text portions of this message have been removed]

3115. Re: RE: [TS-520_820_530_830] service manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 16:36:29 UTC
From: Alan W2AEW
Topic: 3092 Message: 3115

If you need a paper copy - you've picked the right place to go.
Pete's the man!

73 - Alan - W2AEW

-------- Original Message --------

==> From: "Randall" <rkkennard@...>
==> Date: Thu, 23 Dec 2004 10:03:50 -0600

Got Manual !

Thanks a bunch. I don't need it right now but would like to have one
around. Still might order a paper manual from manual man.

Thanks again Randall

-----Original Message----- From: Tibor (Tibi) Zentai
[mailto:ha2mn@...] Sent: Thursday, December 23, 2004 2:06 AM
To: TS-520_820_530_830@yahoogroups.com Subject: RE:
[TS-520_820_530_830] service manual

Randall,

You can download:

http://www.dsgnet.hu/nightwish/work/ts-530s.zip (9.6 MB, Operation
and Service Manuals)

Season's Greetings and prosperous HNY to all list members!

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

********** REPLY SEPARATOR **********

On 2004.12.22. at 11:10 Randall wrote:

>Were can I find a service manual for a TS-530S ? >I looked on mods.dk
and they didn't have one there. > >tanks >Randall > > > > > > > >
>Yahoo! Groups Links > > >

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Get unlimited calls to U.S./Canada <img src="MailScannerWebBug"
width="1" height="1" alt="Web Bug from

http://view.atdmt.com/VON/view/yhxxxvon01900091von/direct/01/&time=11
03817811971031"
/>

<img src="MailScannerWebBug" width="1" height="1" alt="Web Bug from
http://us.adserver.yahoo.com/l?M=324658.5816620.6854924.3001176/D=gro
ups/S=:HM/A=2343726/rand=894664708"
/>

Yahoo! Groups Links

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to:TS-520_820_530_830-unsubscribe@yahoogroups.com Your use of Yahoo!
Groups is subject to the Yahoo! Terms of Service.

.

3116. Re: [TS-520_820_530_830] Re: Unusual display problem with 820s

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 16:57:44 UTC
From: Richard Harris
Topic: 2974 Message: 3116

The multi-vibrator transistors (Q10 and Q11), mentioned by Bill, are connected to a transformer which generates the HT for the display - there are two supplies generated for the display. One is a negative supply and I think the other is AC from the transformer. Unfortunately schematic that I have is difficult to make out in this area.

Richard G3OTK

At 07:31 23/12/2004 -0800, you wrote:
>there is a multivibrator circuit in there that
>provides low voltage AC for the display filament, I
>believe... that may be on the fritz.
>
>b
>
>--- ka9inv <ka9inv@...> wrote:

[Non-text portions of this message have been removed]

3117. Re: RE: [TS-520_820_530_830] service manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-23 19:43:22 UTC
From: peter A markavage
Topic: 3092 Message: 3117

Thanks Alan. The check is in the mail.
Happy Holidays.
Pete, wa2cwa

On Thu, 23 Dec 2004 11:36:29 -0500 "Alan W2AEW" <w2aew@...> writes:
If you need a paper copy - you've picked the right place to go.
Pete's the man!

73 - Alan - W2AEW

-------- Original Message --------

==> From: "Randall" <rkkennard@...>
==> Date: Thu, 23 Dec 2004 10:03:50 -0600

Got Manual !

Thanks a bunch. I don't need it right now but would like to have one
around. Still might order a paper manual from manual man.

Thanks again Randall

-----Original Message----- From: Tibor (Tibi) Zentai
[mailto:ha2mn@...] Sent: Thursday, December 23, 2004 2:06 AM
To: TS-520_820_530_830@yahoogroups.com Subject: RE:
[TS-520_820_530_830] service manual

Randall,

You can download:

http://www.dsgnet.hu/nightwish/work/ts-530s.zip (9.6 MB, Operation
and Service Manuals)

Season's Greetings and prosperous HNY to all list members!

73, dx de Tibi, HA2MN

Member of SPAR Rag Chewer's Club No. 75 in CW and Phone.
http://www.spar-hams.org

********** REPLY SEPARATOR **********

On 2004.12.22. at 11:10 Randall wrote:

>Were can I find a service manual for a TS-530S ? >I looked on mods.dk
and they didn't have one there. > >tanks >Randall > > > > > > > >
>Yahoo! Groups Links > > >

[Non-text portions of this message have been removed]

3118. Happy Holidays

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-24 01:59:55 UTC
From: Larry Waisner
Topic: 3118 Message: 3118

Merry Christmas and Happy New Year ALL,
I would like to Thank All of You. For the time and invaluable information, that each and everyone one of you have given to this group and web-site. I have learned more about my 520s and 820s on here, in a very short period of time, That would have taken years on my own to learn. That in itself is a wonderful gift.
May everyone have a safe and Happy Holiday.
Thank You, Larry Waisner, KD5VXK

3119. Re: [TS-520_820_530_830] Happy Holidays

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-24 16:22:34 UTC
From: Bill K0ZL
Topic: 3118 Message: 3119

Couple the group participation with leaving an ARRL
Handbook in the loo and you got a pretty good
self-edification project going, hi!

Bill

--- Larry Waisner <larimo@...> wrote:

>
> Merry Christmas and Happy New Year ALL,
> I would like to Thank All of You. For the time and
> invaluable
> information, that each and everyone one of you have
> given to this
> group and web-site. I have learned more about my
> 520s and 820s on
> here, in a very short period of time, That would
> have taken years on
> my own to learn. That in itself is a wonderful gift.
> May everyone have a safe and Happy Holiday.
> Thank You, Larry Waisner, KD5VXK
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

Need a tech? See our website www.amateur-repairs.com

Do you Yahoo!?
Dress up your holiday email, Hollywood style. Learn more.
http://celebrity.mail.yahoo.com

3120. TS 530S Lost my recieve audio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-24 22:55:55 UTC
From: ft920yaesu1997
Topic: 3120 Message: 3120

I lost my recieve audio on my TS 530S
Smeter still moving
Picking up signals
Just no audio on speaker or headphones
Any ideas??

thanks

Merry Christmas

3121. Re: [TS-520_820_530_830] Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-25 05:29:34 UTC
From: Stever1k
Topic: 3088 Message: 3121

It;s Digikey who carries Hirose now but the one I need which is
S-1316-SB(09). But it was a good try...Think I will have to go to the UK...

steve NU0P

----- Original Message -----
From: "Brent Baum" <brent.baum@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Wednesday, December 22, 2004 10:37 AM
Subject: RE: [TS-520_820_530_830] Need parts for T-599/A

>
> Mouser is now carrying the 16 pin Hirose series of connectors, if it is
> the same type. Good luck.
> Brent
> K7MEI
>
> -----Original Message-----
> From: Steve White [mailto:stever1k@...]
> Sent: Tuesday, December 21, 2004 7:53 PM
> To: TS-520_820_530_830@yahoogroups.com
> Subject: [TS-520_820_530_830] Need parts for T-599/A
>
>
>
> I know this is not a Kenwood Twins group but thought I would take a
> chance on asking if anyone knows where I can get a part for old T-
> 599. The 16pin connector on the back that goes to the interconnecting
> cable set is broken pretty badly and it needs to be replaced. If
> anyone knows where to get one I would be very appreciative. If you
> have an old T-599 that you use for parts you would have what I need.
> Or if you know of someone who does that would be helpful. Kenwood
> does not have this part any longer to no ones surprise. I also need
> the collar that goes behind the main tuning dial as well.
>
> I am trying to bring this unit back to life.
>
> Thanks Steve NU0P
>
>
>
>
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> <http://us.ard.yahoo.com/SIG=129b0es9q/M=295196.4901138.6071305.3001176/D=groups/S=1705063108:HM/EXP=1103770388/A=2128215/R=0/SIG=10se96mf6/*http://companion.yahoo.com>
> click here
>
> <http://us.adserver.yahoo.com/l?M=295196.4901138.6071305.3001176/D=groups/S=:HM/A=2128215/rand=766618968>
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> * To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
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> * To unsubscribe from this group, send an email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
> <mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>
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> * Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/> .
>
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>
> [Non-text portions of this message have been removed]
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3122. Re: Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-25 13:25:42 UTC
From: Jim
Topic: 3088 Message: 3122

That is a tough one! I was in search of the elusive P-1316-CTA
plug, and I had a devil of a time finding one, at least in "eaches"
quantity. I finally found it at a place in the UK who were nice
enough to take a Visa Card and mail it to me. I don't know if they
have the matching socket but it is worth a try.

http://www.electrovalue.co.uk/

73,
Jim de K1ZC

--- In TS-520_820_530_830@yahoogroups.com, "Stever1k"
<stever1k@h...> wrote:
> It;s Digikey who carries Hirose now but the one I need which is
> S-1316-SB(09). But it was a good try...Think I will have to go to
the UK...
>
> steve NU0P
>

3123. TS-520SE manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 02:43:35 UTC
From: Ian
Topic: 3123 Message: 3123

Anyone have a operating manual for a Kenwood TS-520SE (not 520S) or know a link to a pdf? I have links for the TS-520S operating manual and the TS-520SE service manual. Thanks!

73 de Ian
N8IK

3124. Re: [TS-520_820_530_830] TS-520SE manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 09:49:21 UTC
From: Gerry - GI0ZGB
Topic: 3123 Message: 3124

Try Here: http://www.kg6haf.com/kenwood.html

On Sat, 25 Dec 2004 21:43:35 -0500, Ian <ik7565@...> wrote:

> Anyone have a operating manual for a Kenwood TS-520SE (not 520S) or know
> a
> link to a pdf? I have links for the TS-520S operating manual and the
> TS-520SE service manual. Thanks!
>
> 73 de Ian
> N8IK
>
>
>
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> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
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> To unsubscribe from this group, send an email to:
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>
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3125. Re: [TS-520_820_530_830] TS-520SE manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 10:01:55 UTC
From: Gerry - GI0ZGB
Topic: 3123 Message: 3125

Mulit Model Link: http://www.hamdirectory.info/KENWOOD.html
On Sat, 25 Dec 2004 21:43:35 -0500, Ian <ik7565@...> wrote:

> Anyone have a operating manual for a Kenwood TS-520SE (not 520S) or know
> a
> link to a pdf? I have links for the TS-520S operating manual and the
> TS-520SE service manual. Thanks!
>
> 73 de Ian
> N8IK
>
>
>
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> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
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Security Suite

3126. TS-520SE operating manual

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 12:19:37 UTC
From: Ian
Topic: 3123 Message: 3126

No 520SE OPERATING manuals. :(Nothing on mods.dk or any of the other usual suspects.

Ian N8IK

-----Original Message-----
From: Gerry - GI0ZGB [mailto:rf.burns@...]
Sent: Sunday, December 26, 2004 4:49 AM
To: TS-520_820_530_830@yahoogroups.com
Subject: Re: [TS-520_820_530_830] TS-520SE manual

Try Here: http://www.kg6haf.com/kenwood.html

On Sat, 25 Dec 2004 21:43:35 -0500, Ian <ik7565@...> wrote:

> Anyone have a operating manual for a Kenwood TS-520SE (not 520S) or know
> a
> link to a pdf? I have links for the TS-520S operating manual and the
> TS-520SE service manual. Thanks!
>
> 73 de Ian
> N8IK
>

3127. TS820S Intermittent VFO tuning

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 14:33:11 UTC
From: corvette012001
Topic: 3127 Message: 3127

I have a beautful TS 820S with a problem...when I tune the vfo from 14.00 t0 14.050..all ok...then from about 14050 to 14150..freq jumps as I tune...from about 14150 to 14250(up to 300)..all ok...then above 14300 the vfo jumps freq and the dis play jumps..even goes dark. It is the worst above 14300. I would appreciate any help...many thanks..Jeff..W0XV...this is a vfo freq jumpking issue not just an intermittent display issue

3128. Cabinet Screws for TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 15:18:42 UTC
From: corvette012001
Topic: 3128 Message: 3128

Anyone know of a source? 73..Jeff..W0XV

3129. Re: DS-1A DC Power Supply Module

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 15:46:32 UTC
From: KØMEL
Topic: 3129 Message: 3129

Looking for module to get a TS520S going on portable
power.

=====
73
Mel K?MEL

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

3130. Re: [TS-520_820_530_830] Cabinet Screws for TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 16:06:30 UTC
From: Bill K0ZL
Topic: 3128 Message: 3130

Sure.

Kenwood still sells em through PacCoastParts

www.pacparts.com

part number is

N35-4008-41

Make sure when you call them that you specify USPS
shipping or else it will be 9.40 for handling charges.

b

--- corvette012001 <W0XV@...> wrote:

>
> Anyone know of a source? 73..Jeff..W0XV
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
Do you Yahoo!?
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http://promotions.yahoo.com/new_mail

3131. Re: [TS-520_820_530_830] Cabinet Screws for TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 16:23:43 UTC
From: Walt Breining
Topic: 3128 Message: 3131

Mendelson Surplus in Dayton Ohio. You will have to go there though. Maybe you have a ham friend in Dayton.
Some day I should get a bunch of these when I am in Dayton and send them to Carrol. They are expensive though 10 cents/Lb US. I don't know if I can handle it!
Ace Hardware has metric screws, may not be exactly the same looking but will thread properly.
Uniden and Cobra base CB radios. 4 Big screws that hold the large black fold around cover.
Cobra 148 23 channel CB mobile.
XLR series Cobra C B's

Vy 73, Walt N9WB
----- Original Message -----
From: corvette012001
To: TS-520_820_530_830@yahoogroups.com
Sent: Sunday, December 26, 2004 10:18 AM
Subject: [TS-520_820_530_830] Cabinet Screws for TS820S

Anyone know of a source? 73..Jeff..W0XV

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TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

3132. Re: [TS-520_820_530_830] Cabinet Screws for TS820S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-26 20:18:41 UTC
From: Bill K0ZL
Topic: 3128 Message: 3132

BTW all radios in this series take the same screw.

b

--- Walt Breining <n9wb@...> wrote:

> Mendelson Surplus in Dayton Ohio. You will have to
> go there though. Maybe you have a ham friend in
> Dayton.
> Some day I should get a bunch of these when I am in
> Dayton and send them to Carrol. They are expensive
> though 10 cents/Lb US. I don't know if I can handle
> it!
> Ace Hardware has metric screws, may not be exactly
> the same looking but will thread properly.
> Uniden and Cobra base CB radios. 4 Big screws that
> hold the large black fold around cover.
> Cobra 148 23 channel CB mobile.
> XLR series Cobra C B's
>
> Vy 73, Walt N9WB
> ----- Original Message -----
> From: corvette012001
> To: TS-520_820_530_830@yahoogroups.com
> Sent: Sunday, December 26, 2004 10:18 AM
> Subject: [TS-520_820_530_830] Cabinet Screws for
> TS820S
>
>
>
> Anyone know of a source? 73..Jeff..W0XV
>
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> a.. To visit your group on the web, go to:
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> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> b.. To unsubscribe from this group, send an
> email to:
> TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> c.. Your use of Yahoo! Groups is subject to the
> Yahoo! Terms of Service.
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>
> [Non-text portions of this message have been
> removed]
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>

=====

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Yahoo! Mail - now with 250MB free storage. Learn more.
http://info.mail.yahoo.com/mail_250

3133. help with radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-27 23:22:11 UTC
From: james
Topic: 3133 Message: 3133

hello, my name is james and i have a kenwood TS-520S. i live in Australia in brisbane. can anyone tell me where i can go to get my rig fixed. when i tried to tune it smoke rolled out and it made crackels and pops sounds

3134. Re: [TS-520_820_530_830] help with radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 00:29:31 UTC
From: Gerry - GI0ZGB
Topic: 3133 Message: 3134

Try here: http://www.ozgear.com.au/

Mostly Yaesu but have started Kenwood too!

73 Gerry.
On Mon, 27 Dec 2004 23:22:11 -0000, james <leartez2000@...> wrote:

>
> hello, my name is james and i have a kenwood TS-520S. i live in
> Australia in brisbane. can anyone tell me where i can go to get my
> rig fixed. when i tried to tune it smoke rolled out and it made
> crackels and pops sounds
>
>
>
>
> Yahoo! Groups Sponsor
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> Yahoo! Groups Links
>
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/TS-520_820_530_830/
>
> To unsubscribe from this group, send an email to:
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>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

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Security Suite

3135. former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 01:33:39 UTC
From: Jeff
Topic: 3135 Message: 3135

Hi all, my name is Jeff, KF3KWO. I had unsubscribed last year but I'm back now. I put up a 40m dipole and am interested in adding a few crystals to my TS-520SE so I can work DX split. Can anyone recommend which freqs I should get crystals for? I'm looking to get 4 crystals for 4 freqs in the range 7040-7100khz. I haven't been able to find any gentlemen's agreements for ITU Region 1 40m DX calling freqs.

Many thanks!

73 de Jeff

3136. Re: former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 01:39:22 UTC
From: Jeff
Topic: 3135 Message: 3136

Forgot to mention - I've been told 7050khz is a good one to have.
Looking for three other popular ones. r/jeff

--- In TS-520_820_530_830@yahoogroups.com, "Jeff" <kf3kwo@a...> wrote:
>
> Hi all, my name is Jeff, KF3KWO. I had unsubscribed last year but
> I'm back now. I put up a 40m dipole and am interested in adding a
> few crystals to my TS-520SE so I can work DX split. Can anyone
> recommend which freqs I should get crystals for? I'm looking to
get
> 4 crystals for 4 freqs in the range 7040-7100khz. I haven't been
> able to find any gentlemen's agreements for ITU Region 1 40m DX
> calling freqs.
>
> Many thanks!
>
> 73 de Jeff

3137. Re: [TS-520_820_530_830] former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 02:22:08 UTC
From: Norm Fusaro
Topic: 3135 Message: 3137

My opinion, but I would look for a VFO rather than 4 xtals. You will get more flexibility and if you ever sell the rig you can sell as a package or split the VFO and xcvr. Nobody will care if you have some extra rocks when you're selling the rig.

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Jeff" <kf3kwo@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Monday, December 27, 2004 8:33 PM
Subject: [TS-520_820_530_830] former subscriber returns to list

>
>
> Hi all, my name is Jeff, KF3KWO. I had unsubscribed last year but
> I'm back now. I put up a 40m dipole and am interested in adding a
> few crystals to my TS-520SE so I can work DX split. Can anyone
> recommend which freqs I should get crystals for? I'm looking to get
> 4 crystals for 4 freqs in the range 7040-7100khz. I haven't been
> able to find any gentlemen's agreements for ITU Region 1 40m DX
> calling freqs.
>
> Many thanks!
>
> 73 de Jeff
>
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> Yahoo! Groups Links
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3138. Re: [TS-520_820_530_830] help with radio

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 14:10:51 UTC
From: Bill K0ZL
Topic: 3133 Message: 3138

James,

This is usually bad finals. Get some known good tubes,
6146B matched pair preferred, and we will show you how
to fix it yourself if you have soldering iron.

You will have to follow directions carefully so YOU
don't get fried too.

bill

--- james <leartez2000@...> wrote:

>
> hello, my name is james and i have a kenwood
> TS-520S. i live in
> Australia in brisbane. can anyone tell me where i
> can go to get my
> rig fixed. when i tried to tune it smoke rolled out
> and it made
> crackels and pops sounds
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
Do you Yahoo!?
Dress up your holiday email, Hollywood style. Learn more.
http://celebrity.mail.yahoo.com

3139. Thank You

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 14:15:08 UTC
From: Rtnmi
Topic: 3139 Message: 3139

Thank you for letting me be a part of your group, I will look forward to talking with you all,

TNX,
BOB
KE5CTY
http://www.qsl.net/ke5cty

3140. Re: [TS-520_820_530_830] former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 14:19:55 UTC
From: Bill K0ZL
Topic: 3135 Message: 3140

Jeff,

I would recommend against using fixed crystals for DX
split. Although there are dx "windows", there are no
actual "frequencies" where the DX hangs out; you will
always therefor be off of them with a crystal.

Instead, find a VFO-520. Save your pennies; it will be
about 150-200 with shipping but well worth it.

Better yet, find a used solid state rig with dual
VFO's ... everything from the TS-430 up will do
splits. If you really want contest-quality rig, go
with used TS-450 or TS-850. The 850 is going for 800
or less these days and is all the radio you will need
for DXing and contesting.

I would keep the 520 for ragchewing and for backup.

Vy 73,

Bill K0ZL

--- Jeff <kf3kwo@...> wrote:

>
> Hi all, my name is Jeff, KF3KWO. I had unsubscribed
> last year but
> I'm back now. I put up a 40m dipole and am
> interested in adding a
> few crystals to my TS-520SE so I can work DX split.
> Can anyone
> recommend which freqs I should get crystals for?
> I'm looking to get
> 4 crystals for 4 freqs in the range 7040-7100khz. I
> haven't been
> able to find any gentlemen's agreements for ITU
> Region 1 40m DX
> calling freqs.
>
> Many thanks!
>
> 73 de Jeff
>
>
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>

=====

"If in doubt, MODIFY" --k0zl

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_____
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3141. Re: former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 17:00:39 UTC
From: Jeff
Topic: 3135 Message: 3141

Bill,

Yeah, I figure it will be a one in a million chance that DX would choose a freq that I have a crystal for to call the US. VFO sounds like a plan. Thanks for the idea. Regarding getting a new rig, I'm not that much into contests right now, as the wife and kids are a contest enough :-0 And the 520SE works just fine, and it was free to me, so I'll use it until it blows up or melts.

Thanks and 73,

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...> wrote:
> Jeff,
>
> I would recommend against using fixed crystals for DX
> split. Although there are dx "windows", there are no
> actual "frequencies" where the DX hangs out; you will
> always therefor be off of them with a crystal.
>
> Instead, find a VFO-520. Save your pennies; it will be
> about 150-200 with shipping but well worth it.
>
> Better yet, find a used solid state rig with dual
> VFO's ... everything from the TS-430 up will do
> splits. If you really want contest-quality rig, go
> with used TS-450 or TS-850. The 850 is going for 800
> or less these days and is all the radio you will need
> for DXing and contesting.
>
> I would keep the 520 for ragchewing and for backup.
>
> Vy 73,
>
> Bill K0ZL
>
> --- Jeff <kf3kwo@a...> wrote:
>
> >
> > Hi all, my name is Jeff, KF3KWO. I had unsubscribed
> > last year but
> > I'm back now. I put up a 40m dipole and am
> > interested in adding a
> > few crystals to my TS-520SE so I can work DX split.

> > Can anyone
> > recommend which freqs I should get crystals for?
> > I'm looking to get
> > 4 crystals for 4 freqs in the range 7040-7100khz. I
> > haven't been
> > able to find any gentlemen's agreements for ITU
> > Region 1 40m DX
> > calling freqs.
> >
> > Many thanks!
> >
> > 73 de Jeff
> >
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> =====
>
> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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> Do you Yahoo!?
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3142. Re: former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 17:02:39 UTC
From: Jeff
Topic: 3135 Message: 3142

Norm,

Thanks for the advice, sounds like a good idea. Wanted to go the
cheap route, but more flexibility will be well worth the money.

Thanks and 73,

Jeff

--- In TS-520_820_530_830@yahoogroups.com, "Norm Fusaro" <w3iz@s...>
wrote:
> My opinion, but I would look for a VFO rather than 4 xtals. You
will get
> more flexibility and if you ever sell the rig you can sell as a
package or
> split the VFO and xcvr. Nobody will care if you have some extra
rocks when
> you're selling the rig.
>
> 73,
> Norm, W3IZ
> www.w3iz.com
> ----- Original Message -----
> From: "Jeff" <kf3kwo@a...>
> To: <TS-520_820_530_830@yahoogroups.com>
> Sent: Monday, December 27, 2004 8:33 PM
> Subject: [TS-520_820_530_830] former subscriber returns to list
>
>
> >
> >
> > Hi all, my name is Jeff, KF3KWO. I had unsubscribed last year but
> > I'm back now. I put up a 40m dipole and am interested in adding a
> > few crystals to my TS-520SE so I can work DX split. Can anyone
> > recommend which freqs I should get crystals for? I'm looking to
get
> > 4 crystals for 4 freqs in the range 7040-7100khz. I haven't been
> > able to find any gentlemen's agreements for ITU Region 1 40m DX
> > calling freqs.
> >
> > Many thanks!
> >
> > 73 de Jeff
> >
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> > Yahoo! Groups Links
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3143. 820 hookup to Yaesu FL2100B

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-28 23:13:41 UTC
From: Larry Waisner
Topic: 3143 Message: 3143

Hello All,
I have purchased a FL2100B for a very good price.
Would anyone know if there is anything Special or different I should know anout hooking a Kenwood to a Yaesu amplifier?

Larry Waisner,KD5VXK

3144. Re: [TS-520_820_530_830] Re: former subscriber returns to list

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-29 01:12:05 UTC
From: Eric Webner
Topic: 3135 Message: 3144

Careful, it could be a very long time until your 520SE blows up! HI!

73,

Eric KA8FAN

Jeff <kf3kwo@...> wrote:

Bill,

Yeah, I figure it will be a one in a million chance that DX would
choose a freq that I have a crystal for to call the US. VFO sounds
like a plan. Thanks for the idea. Regarding getting a new rig, I'm
not that much into contests right now, as the wife and kids are a
contest enough :-0 And the 520SE works just fine, and it was free to
me, so I'll use it until it blows up or melts.

Thanks and 73,

Jeff

--- In TS-520_820_530_830@yahoogroups.com, Bill K0ZL <coorsbill@y...>
wrote:
> Jeff,
>
> I would recommend against using fixed crystals for DX
> split. Although there are dx "windows", there are no
> actual "frequencies" where the DX hangs out; you will
> always therefor be off of them with a crystal.
>
> Instead, find a VFO-520. Save your pennies; it will be
> about 150-200 with shipping but well worth it.
>
> Better yet, find a used solid state rig with dual
> VFO's ... everything from the TS-430 up will do
> splits. If you really want contest-quality rig, go
> with used TS-450 or TS-850. The 850 is going for 800
> or less these days and is all the radio you will need
> for DXing and contesting.
>
> I would keep the 520 for ragchewing and for backup.
>
> Vy 73,
>
> Bill K0ZL
>
> --- Jeff <kf3kwo@a...> wrote:

>
> >
> > Hi all, my name is Jeff, KF3KWO. I had unsubscribed
> > last year but
> > I'm back now. I put up a 40m dipole and am
> > interested in adding a
> > few crystals to my TS-520SE so I can work DX split.
> > Can anyone
> > recommend which freqs I should get crystals for?
> > I'm looking to get
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> > haven't been
> > able to find any gentlemen's agreements for ITU
> > Region 1 40m DX
> > calling freqs.
> >
> > Many thanks!
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> > 73 de Jeff
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> "If in doubt, MODIFY" --k0zl
>
> Need a tech? See our website www.amateur-repairs.com
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To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com

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[Non-text portions of this message have been removed]

3145. VFO-820 Use on a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-29 04:03:43 UTC
From: Michael Glennon
Topic: 3145 Message: 3145

Does any one know if the VFO-820 will interface with a TS-830? I have the service manual on the TS-830 but it only shows the VFO-230 and said VFO-240 will also connect. I have a VFO-820 and would like to interface it to my TS-830.

Will it interface?
If so is the cable a pin to pin cable from the TS-830 to the VFO-820?
Is there a place I can get a copy of the manual/schematic for the VFO-820?

V/R

KB4JHU

KF4AZE - EMARA Club Call
KB4JHU Amateur Radio Extra Call Trustee
Tullahoma, TN

[Non-text portions of this message have been removed]

3146. Web Beacons

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-29 15:19:30 UTC
From: Budd Turner
Topic: 3146 Message: 3146

For your information ...

Yahoo is now using something called "Web Beacons" to track Yahoo Group users around the net and see what you're doing and where you are going - similar to cookies. Yahoo is recording every website and every group you visit. Take a look at their updated privacy statement:

http://privacy.yahoo.com/privacy

About half-way down the page, in the section on cookies, you will see a link that says web beacons.
Click on the phrase web beacons.

http://privacy.yahoo.com/privacy/us/beacons/details.html

That will bring you to a paragraph entitled, "Outside the Yahoo Network." In this section you'll see a little, "click here to opt out" link that will let you "opt-out" of their new method of snooping.

Once you have clicked that link, you are exempted.

Notice the "Success" message on the top of the next page.
BE CAREFUL because on that page there is a "Cancel Opt-out" button that, if clicked, will *undo** the opt-out.

3147. Re: [TS-520_820_530_830] Re: Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-29 18:03:13 UTC
From: Richard Harris
Topic: 3088 Message: 3147

Steve,

I was about to send a reply to your earlier e-mail about the UK company
when I saw Jim's posting. Their web catalog is dated 2003 but hopefully
they still stock them.

The part number you quoted is an 8 pin chassis mount connector with socket
contacts but your original e-mail mentioned 16 pins. Do you need a chassis
mount or a cable mount? Both cable and chassis mount types are in their
catalog with both pin contacts and socket contacts.

Let me know if you would like me to check them out - may have to wait until
next week as most of UK shuts down until 4th Jan.

73s,

Richard G3OTK

At 13:25 25/12/2004 +0000, you wrote:

>That is a tough one! I was in search of the elusive P-1316-CTA
>plug, and I had a devil of a time finding one, at least in "eaches"
>quantity. I finally found it at a place in the UK who were nice
>enough to take a Visa Card and mail it to me. I don't know if they
>have the matching socket but it is worth a try.
>
><http://www.electrovalue.co.uk/>http://www.electrovalue.co.uk/
>
>73,
>Jim de K1ZC
>
>
>--- In TS-520_820_530_830@yahoogroups.com, "Stever1k"
><stever1k@h...> wrote:
> > It;s Digikey who carries Hirose now but the one I need which is
> > S-1316-SB(09). But it was a good try...Think I will have to go to
>the UK...
> >
> > steve NU0P
> >
>
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>
> *
> * To unsubscribe from this group, send an email to:
> *
> <mailto:TS-520_820_530_830-unsubscribe@yahoogroups.com?subject=Unsubscribe>TS-520_820_530_830-unsubscribe@yahoogroups.com
>
> *
> * Your use of Yahoo! Groups is subject to the
> <http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

Richard Harris
PIPS Technology Ltd,
York House,
School Lane,
Chandlers Ford,
Eastleigh
SO53 4DG
United Kingdom

Tel +44 (0) 2380 240250
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[Non-text portions of this message have been removed]

3148. Re: [TS-520_820_530_830] Re: Need parts for T-599/A

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-29 18:56:58 UTC
From: Gerry - GI0ZGB
Topic: 3088 Message: 3148

Try also: http://www.rapidelectronics.co.uk/rkmain.asp?PAGEID=20658

Rapid Electronics have an extensive selection of components, connectors
etc. fast reliable delivery.

Try Also:
http://rswww.com/cgi-bin/bv/home/Home.jsp?BV_SessionID=@@@@0946870395.1104346320@@@@&BV_EngineID=cccfadddgmikdmhcfngcfkmdgkldfin.0&cacheID=uknetscape&3281799128=3281799128&BV_EngineID=cccfadddgmikdmhcfngcfkmdgkldfin.0&cacheID=uknetscape&3281799120=3281799120&BV_SessionID=%40%40%40%400946870395.1104346320%40%40%40%40&browserOK=Y

RS Components, if they haven't got it no one has.

Try Also: http://uk.farnell.com/jsp/home/homepage.jsp

Similar to RS extensive stock.

On Wed, 29 Dec 2004 18:03:13 +0000, Richard Harris <rjharris@...>
wrote:

> Steve,
>
> I was about to send a reply to your earlier e-mail about the UK company
> when I saw Jim's posting. Their web catalog is dated 2003 but hopefully
> they still stock them.
>
> The part number you quoted is an 8 pin chassis mount connector with
> socket
> contacts but your original e-mail mentioned 16 pins. Do you need a
> chassis
> mount or a cable mount? Both cable and chassis mount types are in their
> catalog with both pin contacts and socket contacts.
>
> Let me know if you would like me to check them out - may have to wait
> until
> next week as most of UK shuts down until 4th Jan.
>
> 73s,
>
> Richard G3OTK
>
> At 13:25 25/12/2004 +0000, you wrote:
>
>> That is a tough one! I was in search of the elusive P-1316-CTA
>> plug, and I had a devil of a time finding one, at least in "eaches"
>> quantity. I finally found it at a place in the UK who were nice
>> enough to take a Visa Card and mail it to me. I don't know if they

>> have the matching socket but it is worth a try.
>>
>> <http://www.electrovalue.co.uk/>http://www.electrovalue.co.uk/
>>
>> 73,
>> Jim de K1ZC
>>
>>
>> --- In TS-520_820_530_830@yahoogroups.com, "Stever1k"
>> <stever1k@h...> wrote:
>> > It;s Digikey who carries Hirose now but the one I need which is
>> > S-1316-SB(09). But it was a good try...Think I will have to go to
>> the UK...
>> >
>> > steve NU0P
>> >
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>
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> Chandlers Ford,
> Eastleigh
> SO53 4DG
> United Kingdom
>
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3149. Re: [TS-520_820_530_830] Web Beacons

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-30 01:29:20 UTC
From: Gary & Carrie Meyer
Topic: 3146 Message: 3149

Thanks Budd. I oppted out

KCØNPJ Gary

[Non-text portions of this message have been removed]

3150. VFO 520 Cable Parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-30 17:14:02 UTC
From: Gary Stebbins
Topic: 3150 Message: 3150

I am looking for a source for 9 pin plugs to build a cable for a Kenwood VFO-520. I am looking for a source for 9-pin male miniature sockets.

Gary Stebbins
KC9GGV - Fort Wayne, IN
kc9ggv@...

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[Non-text portions of this message have been removed]

3151. Re: [TS-520_820_530_830] VFO-820 Use on a TS-830S

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-30 17:23:19 UTC
From: Kay Groß
Topic: 3145 Message: 3151

Hello Michael,

unfortunately Kenwood changed the vfo frequenzyrange
from the TS520/TS820 to the TS530/TS830/TS120/TS130
series.So the 520 and 820 have 5 to 5.5 MHZ and the others
all have 5.5 to 6 MHz.What means you could use the vfo 120 or 240 or 230
or dfc 230 for your TS 830 and no others.I use here the vfo 120 and the
vfo 230 with the modification one turn on the knop only 6.25khz which
makes tuning very smooth.

all the best for you and yours and good luck for 2005

Kay DL5OAQ

[Non-text portions of this message have been removed]

3152. Re: [TS-520_820_530_830] VFO 520 Cable Parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-30 22:31:53 UTC
From: Norm Fusaro
Topic: 3150 Message: 3152

From a previous post:

Hi

Here is good source for the part at a good price,
I have used them many times.

http://www.kenwoodparts.com

part number to search on

E05-0901-05 TS-820 9P VFO PLUG TS-520 $ 5.04 plus s/h

The cable is wired straight 1-1...etc..

73 james ke4drn

73,
Norm, W3IZ
www.w3iz.com
----- Original Message -----
From: "Gary Stebbins" <stebbinsgr@...>
To: <TS-520_820_530_830@yahoogroups.com>
Sent: Thursday, December 30, 2004 12:14 PM
Subject: [TS-520_820_530_830] VFO 520 Cable Parts

>
> I am looking for a source for 9 pin plugs to build a cable for a Kenwood
VFO-520. I am looking for a source for 9-pin male miniature sockets.
>
> Gary Stebbins
> KC9GGV - Fort Wayne, IN
> kc9ggv@...
>
>
> ---------------------------------
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> Yahoo! Mail - now with 250MB free storage. Learn more.
>
> [Non-text portions of this message have been removed]
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3153. skn

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-31 02:54:13 UTC
From: botr8
Topic: 3153 Message: 3153

7 pm new years eve till 7 pm new years day.
Dust off that old stright key plug it into
your vintage Kenwood and pound brass!
See you on the bands.
73
WB3DSJ
HAPPY NEW YEAR

3154. Re: [TS-520_820_530_830] skn

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-31 11:52:21 UTC
From: Bill K0ZL
Topic: 3153 Message: 3154

7 pm eastern time, eh?

I am ready!

I use my Bencher paddle, right side, and set my 850 or
IC-703 to "paddle" mode. That gives me a sideswiper
straight key.

On up and down key I am limited to about 12 wpm; with
the Bencher paddle done sideways, I can run 20-25

bill

--- botr8 <botr8@...> wrote:

>
> 7 pm new years eve till 7 pm new years day.
> Dust off that old stright key plug it into
> your vintage Kenwood and pound brass!
> See you on the bands.
> 73
> WB3DSJ
> HAPPY NEW YEAR
>
>
>
>

=====

"If in doubt, MODIFY" --k0zl

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_____
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3155. RE: [TS-520_820_530_830] VFO 520 Cable Parts

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-31 15:47:38 UTC
From: grc1939@excite.com
Topic: 3150 Message: 3155

Hi Gary, Since I like to try to get by as cheaply as possible, I looked at Mendelson?s here in Dayton. The good news is I found some plugs that were designed to fit into a 9-pin miniature tube socket. The bad news is, since I needed two (one for each end of the cable), I bought the only three I found. It is a good thing I had an extra one because I ended up damaging one of them. It took me a long time of looking through dusty bins to find them so they might have more. More good news is that that they sold them to me for a quarter each. For the cable, I used some old modem cable that was lying around. Only one conductor requires shielding, but, of course, all the conductors in my cable were shielded. It seems to work fine. You might want to look around and see if you can find some kind of plug that was meant to fit into a 9-pin tube socket. I tried to think of a way I could use the bases of a couple of old tubes. But since such tubes are made entirely of glass, I gave up on that idea. But now that I think about it, if you could neatly cut the glass base from a 9-pin tube and remove the tube elements, you might be able to epoxy it inside the end of a piece of metal tubing after soldering the cable conductors to the pins. Or you could just spend a few bucks and order the plugs. 73, Glenn W8EXX --- On Thu 12/30, Gary Stebbins < stebbinsgr@... > wrote: From: Gary Stebbins [mailto: stebbinsgr@...] To: TS-520_820_530_830@yahoogroups.com Date: Thu, 30 Dec 2004 09:14:02 -0800 (PST) Subject: [TS-520_820_530_830] VFO 520 Cable Parts I am looking for a source for 9 pin plugs to build a cable for a Kenwood VFO-520.? I am looking for a source for 9-pin male miniature sockets.

Gary Stebbins
KC9GGV - Fort Wayne, IN
kc9ggv@...

????? ?????

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[Non-text portions of this message have been removed]

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Yahoo! Groups Links

- To visit your group on the web, go to:
http://groups.yahoo.com/group/TS-520_820_530_830/
?
- To unsubscribe from this group, send an email to:
TS-520_820_530_830-unsubscribe@yahoogroups.com
?
- Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service

(http://docs.yahoo.com/info/terms/).
_____ Join Excite! - http://www.excite.com The most personalized portal on the Web!

3156. VFO-230/TS 830s Cable

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2004-12-31 18:19:02 UTC
From: bill linn
Topic: 3156 Message: 3156

I need to replace the connecting cable between the TS 830 and VFO-230. Any info or offers...?

Thanks,
Bill - W7WEL

4358. Re: [TS-520_820_530_830] TS820S transmit problems

Yahoo group: TS-520_820_530_830 (2001 — 2004)
Date: 2001-01-01 05:21:50 UTC
From: KD5NWA
Topic: 4353 Message: 4358

Are you taking into the mike or whistling? SSB only has output when the
mike has some input.

At 06:00 PM 4/30/2005, you wrote:
>Hello everyone,
>I recently purchased a TS820S at a ham fest and finallygot everything
>hooked up. The problem I am having is I can key the mike in the Tune, CW
>and FSK mode and show an output. However, when I switch it to USB/LSB and
>key the mike I show no output either on the rig's meter or the meter of
>the SWL meter. My question is, am I doing something wrong or is the rig
>messed up? I have all the settings adjusted to the manual's settings.
>
>Thanks,
>Bill
>KC8WSM
>
>
>
>---------------------------------
>Do you Yahoo!?
> Yahoo! Small Business - Try our new resources site!
>
>[Non-text portions of this message have been removed]
>
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>Yahoo! Groups Links
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>--
>No virus found in this incoming message.
>Checked by AVG Anti-Virus.
>Version: 7.0.308 / Virus Database: 266.11.0 - Release Date: 4/29/2005

Cecil Bayona
KD5NWA